

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: March 26, 2004, 12:45:36 ; Search time 91.5 Seconds

(without alignments)
11982.109 Million cell updates/sec

Title: US-09-824-647-16

Perfect score: 4103

Sequence: 1 cgcaggcagaccatgtggac.....ataaagttgtcactttctt 2095

Scoring table: BLOSUM62

Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 2130338

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODL=frame+n2p.model -DEV=xlp
-Q=/cgn2_1/USPTO.spool.p/US09824647/runat.26032004.110229.22374/app.query.fasta.1.2247
-DB=Published Applications AA -OFFMT=fastan -SUFFIX=rapb -MINMATCH=0.1
-LOOPECL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blousum62
-FRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0
-MAXLEN=200000000 -USER=US09824647 @CGN 1.1.14 @runat.26032004.110229.22374
-NCPU=6 -ICPU=3 -NO MAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/FCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/FCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

1	3511	85.6	593	9	US-09-813-156-17	Sequence 17, Appl
2	3511	85.6	593	9	US-09-824-807-17	Sequence 17, Appl
3	3511	85.6	593	9	US-09-824-647-17	Sequence 17, Appl
4	3511	85.6	593	14	US-10-218-509-17	Sequence 17, Appl
5	3511	85.6	593	14	US-10-281-160-17	Sequence 17, Appl
6	3511	85.6	593	15	US-10-321-587-17	Sequence 17, Appl
7	3492	85.1	621	9	US-09-925-301-1416	Sequence 1416, Ap
8	3472	84.6	593	14	US-10-262-473-6	Sequence 6, Appli
9	2681	65.3	589	9	US-09-813-156-2	Sequence 2, Appli
10	2681	65.3	589	9	US-09-824-807-2	Sequence 2, Appli
11	2681	65.3	589	9	US-09-824-647-2	Sequence 2, Appli
12	2681	65.3	589	14	US-10-218-509-2	Sequence 2, Appli
13	2681	65.3	589	14	US-10-281-160-2	Sequence 2, Appli
14	2681	65.3	589	15	US-10-321-587-2	Sequence 2, Appli
15	1090	26.6	189	14	US-10-262-473-8	Sequence 8, Appli
16	526	12.8	318	15	US-10-369-493-5246	Sequence 5246, Ap
17	453	11.0	77	9	US-09-864-761-43653	Sequence 43653, A
18	375.5	9.2	1393	12	US-10-312-352-21	Sequence 21, Appl
19	368	9.0	2403	14	US-10-184-644-513	Sequence 513, App
20	368	9.0	2403	14	US-10-184-634-513	Sequence 513, App
21	353	8.6	2764	14	US-10-184-644-117	Sequence 117, App
22	353	8.6	2764	14	US-10-184-634-117	Sequence 117, App
23	349	8.5	1037	15	US-10-052-648A-8	Sequence 8, Appli
24	348	8.5	1037	15	US-10-052-648A-10	Sequence 10, Appl
25	343.5	8.4	3721	12	US-10-142-426-543	Sequence 543, App
26	343.5	8.4	3721	14	US-10-123-155-543	Sequence 543, App
27	343.5	8.4	3721	14	US-10-146-731-543	Sequence 543, App
28	343.5	8.4	3721	14	US-10-140-472-543	Sequence 543, App
29	343.5	8.4	3721	14	US-10-141-761-543	Sequence 543, App
30	343.5	8.4	3721	14	US-10-142-885-543	Sequence 543, App
31	343.5	8.4	3721	14	US-10-158-790-543	Sequence 543, App
32	343.5	8.4	3721	15	US-10-137-871-543	Sequence 543, App
33	343.5	8.4	3721	15	US-10-140-923-543	Sequence 543, App
34	343.5	8.4	3721	15	US-10-141-756-543	Sequence 543, App
35	343.5	8.4	3721	15	US-10-141-759-543	Sequence 543, App
36	343.5	8.4	3721	15	US-10-140-805-543	Sequence 543, App
37	343.5	8.4	3721	15	US-10-140-864-543	Sequence 543, App
38	343	8.4	1661	12	US-10-142-426-223	Sequence 223, App
39	343	8.4	1661	14	US-10-123-155-223	Sequence 223, App
40	343	8.4	1661	14	US-10-146-731-223	Sequence 223, App
41	343	8.4	1661	14	US-10-140-472-223	Sequence 223, App
42	343	8.4	1661	14	US-10-141-761-223	Sequence 223, App
43	343	8.4	1661	14	US-10-142-885-223	Sequence 223, App
44	343	8.4	1661	14	US-10-158-790-223	Sequence 223, App
45	343	8.4	1661	15	US-10-137-871-223	Sequence 223, App

ALIGNMENTS

RESULT 1

US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 CDNA
; US-09-813-156-17

Alignment Scores: 6.54e-195 Length: 593
Pred. No.: 593

Score:	3511.00	Matches:	593
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	85.57%	Indels:	0
DB:	9	Gaps:	0
US-09-824-647-16 (1-2095) x US-09-813-156-17 (1-593)			
QY	13	ATGTGACCTGTGTGAGCTGGTGGCTTAACAGCAGGCTGGTGGCTCGAAGCGGTGC	72
DB	1		
QY	73	CCAGATGGTCAGTTCGCCCTGTGGCTGTGGCTGGACCCCGAGAGCCAGCTACAGC	132
DB	21	ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTyrSer	40
QY	133	TGCTGGCGTCCCTTCTGGCAAAATGGCCACAACTGAGCAGGATCTGGGTGGCCCC	192
DB	41	CysCysArgProLeuLeuAspLysTrpProThrLeuSerArgHisLeuGlyGlyPro	60
QY	193	TGCCAGGTTGATGCCCACTGCTGTGGCGGCCATCTCTGTGATCTTTACGCTCTCAGGACT	252
DB	61	CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr	80
QY	253	TCCAGTTGTGTCGCCCTTCCAGAGGCGTGGCATGGGGATGCCCATCACTGCTGCCCA	312
DB	81	SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro	100
QY	313	CGGGCTTCCACTGCACTGAGTCAGACGGCGGATCTCTGCTTCCAAAGATCAGTAACACTCC	372
DB	101	ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAenSer	120
QY	373	GTGGTGCCCATCAGTCCCTGTAGTCAGTTCGAATGCCCGACTTCTCCAGTCTGT	432
DB	121	ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys	140
QY	433	GTTATGTGTGATGGCTCTCGGGGTGCTGCCCATGCCCCAGGCTTCTGCTGAGAC	492
DB	141	ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGluAsp	160
QY	493	AGGGTGACATGCTCTCCGACCGGTGCTTCTGGACCTGGTTACACCCGCTGCATCACA	552
DB	161	ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr	180
QY	553	CCACGGGACCCACCCCTGGGAAAAGAACTCCCTGCCAGAGGACTACAGGAGTG	612
DB	181	ProThrGlyThrHisProLeuAlaLysLeuProAlaGlnArgThrAsnArgAlaVal	200
QY	613	GCCTTGTCCAGCTCGGTGCATGTGCCGAGGACGCGTCCCGGTGCCCTGATGTTCTACC	672
DB	201	AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr	220
QY	673	TGCTGTGAGCTGCCAGTGGGAAGTATGGTGTGCCCAATGCCCAACGCCACTGCTGC	732
DB	221	CysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsnAlaThrCysCys	240
QY	733	TCCGATCACCTGCACCTGTGCTCCGCCCAAGACACTGTGTGACCTGTATCCAGATGTC	792
DB	241	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	260
QY	793	CTCTCCAGGAAACGCTTACACGAGCTCCCTCACTAGCTGCTCGGCACACAGTGGCG	852
DB	261	LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly	280
QY	853	GATGTGAATGTGACATGGAGGTGAGCTGCCAGATGGCTATACCTGCTGCCGTTACAG	912
DB	281	AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln	300
QY	913	TGGGGGCTGGGTGCTGCCCTTTTACCAGGCTGTCTGTGAGGACCATACAC	972
DB	301	SerGlyAlaIleTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis	320
QY	973	TGCTGTCCCGGGGTTTACGTGTGACACGACAGAGGTAAGTGTGTAACAGGGGCCCATC	1032

```

RESULT 2
US-09-824-807-17
, Sequence 17, Application US/09824807
, Patent No. US20020094966A1
, GENERAL INFORMATION:
, APPLICANT: Sertero, Ginette
, TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
, FILE REFERENCE: Z3996.488/P001-A
, CURRENT APPLICATION NUMBER: US/09/824,807
, CURRENT FILING DATE: 2001-04-04
, PRIOR APPLICATION NUMBER: 08/991,862
, PRIOR FILING DATE: 1997-12-16
, PRIOR APPLICATION NUMBER: 08/863,862
, PRIOR FILING DATE: 1997-05-23
, NUMBER OF SEQ ID NOS: 17
, SOFTWARE: Patentin Ver. 2.0
, SEQ ID NO 17
, LENGTH: 593

```


; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/10/218.509
 ; CURRENT FILING DATE: 2002-08-15
 ; PRIOR APPLICATION NUMBER: 08/991.862
 ; PRIOR FILING DATE: 1998-08-17
 ; PRIOR APPLICATION NUMBER: 08/863.862
 ; PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 17
 ; LENGTH: 593
 ; TYPE: PRT
 ; ORGANISM: Human GP88 cDNA
 ; US-10-218-509-17

Alignment Scores:
 Pred. No.: 6,54e-195 Length: 593
 Score: 3511.00 Matches: 593
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 85.57% Indels: 0
 DB: 14 Gaps: 0

US-09-824-647-16 (1-2095) x US-10-218-509-17 (1-593)

QY	13	ATGTGACCTGGTGGAGCTGGTGGCTTAACAGCAGGCGTGGTGGTGAACGCGTGC	72
Db	1	MettTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys	20
QY	73	CCAGATGGTCAGTTCCTCCCTGGCTGGCTGGCTGGAGCCCCGGAGAGCCAGCTACAGC	132
Db	21	ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTyrSer	40
QY	133	TGCTGGCGTCCCTTCGGCAATGGCCACACACTGACGAGGATCTGGTGGCGCCC	192
Db	41	CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro	60
QY	193	TGCCAGGTGATGCCACTGCTCTGCCGGCCACTCTCTGCTATCTTTACCGTCTCAGGACT	252
Db	61	CysGlnValAlaAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr	80
QY	253	TCCAGTGTGCTCCCTCCAGAGCGCGTGGCATGGCGGATGGCCATCATCTGCTGCCA	312
Db	81	SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro	100
QY	313	CGGGCTTCCACTGCAGTCAGACGGCGCATCTCTGCTTCCAAAGATCAGGTAAACAATCC	372
Db	101	ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer	120
QY	373	GTGGGTGCATCCAGTGCCTGATAGTCAGTTCGAATGCCGGGACTTCTCAGTGTGT	432
Db	121	ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys	140
QY	433	GTTATGGTCGATGGCTCTCTGGGGTGGTGGCCCATGCCAGAGTTCCTGCTGTGAAGAC	492
Db	141	ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp	160
QY	493	AGGTGTCAGTCTGTCGACCGTTCCTCTGACCTGTGACCTGTGTCACCCGCTGATCA	552
Db	161	ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr	180
QY	553	CCGAGGACCCACCCCTCGCAAGAGTCTCCCTGCCAGAGACTTAACAGGGCAGTG	612
Db	181	ProThrGlyThrHisProLeuAlaLysLeuProAlaGlnArgThrAsnArgAlaVal	200
QY	613	GCCTTGTCCAGTCCGTCATGTCCGACGACGTCCTCCGCTCCGCTGATGGTTCAC	672
Db	201	AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr	220
QY	673	TGCTGTAGTCCCGCAGTGGAGTATGGCTGCTGCCAATGCCACGACCGCTGCTGC	732
Db	221	CysCysGluLeuProSerGlyLysTyrGlyCysCysProMetProAsnAlaThrCysCys	240

QY	733	TCCGATCACTGCACTGCTGCCCCCAAGACAACACTGTGTGTGACCTGATCCAGAGTAAGTGC	792
Db	241	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	260
QY	793	CTCTCCAAGAGAAAGCGCTACCAACGACCTCTCTACTAAGCTGCTGGCCACACAGTGGC	852
Db	261	LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly	280
QY	853	GATGTGAATGTGACATGAGAGTGGAGCTGCCAGATGGCTATACCTGCTGCCGTCTACAG	912
Db	281	AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln	300
QY	913	TCGGGGGCTGGGGCTGCTGCCCTTTTACCCAGAGCTGTGTGCTGTGAGGACACATACAC	972
Db	301	SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis	320
QY	973	TGCTGTCCCGGGGTTCCTGTGTGACACGACGAGAGGTACTGTGAACAGGGGCCCCAC	1032
Db	321	CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis	340
QY	1033	CAGTGGCTGGATGGAGAGGCCCCAGCTCACCTCAGCTGCCAGACCCACACAGCCCTTG	1092
Db	341	GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu	360
QY	1093	AAGAGAGATGTCCCTGTGATAATGTACAGCAGCTGTCCCTCTCCGATACCTGTGCGAA	1152
Db	361	LysAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln	380
QY	1153	CTCAGCTCTGGAGTGGGGCTGTCTCCAACTCCAGAGGCTGTCTGTCTCCGACAC	1212
Db	381	LeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis	400
QY	1213	CAGCACTCTGCTCCCGCAGCGATACACGTGTGTAGCTGAGGGCGAGTGTACGAGGAAGC	1272
Db	401	GlnHisCysCysProGlnArgTyrThrCysValAlaGluGlyGlnCysGlnArgGlySer	420
QY	1273	GAGATCGTGGCTGAGTGGAGAGTGTCTGCTGCCCGCGCTTCTTATCCACCCGAGA	1332
Db	421	GluIleValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg	440
QY	1333	GACATCGGCTGTGACACACACAGCTGCCCGGTGGCGGAAACCTGTGCCCGCAGCCAG	1392
Db	441	AspIleGlyCysAspGlnHisThrSerCysProValGlyGlyThrCysCysProSerGln	460
QY	1393	GGTGGAGTGGCTGCTGCCAGTGGCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1452
Db	461	GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis	480
QY	1453	TGCTGCCCGCTGGTACACCTGCAACGTGAAGGTCTGATCTGCGAAGAAAGTGTGTC	1512
Db	481	CysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGluLysGluValVal	500
QY	1513	TCTGCCACGCTGCCACCTTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1572
Db	501	SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu	520
QY	1573	TCTGGGAGGACACTTCTGCCATGATACACAGCTGCTGCCGAGACACCGACAGGCG	1632
Db	521	CysGlyGluGlyHisPheCysHisAspGlnThrCysCysArgAspAsnArgGlnGly	540
QY	1633	TGGGCTGCTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1692
Db	541	TrpAlaCysCysProTrpAlaGlnGlyValCysCysAlaAspArgArgHisCysCysPro	560
QY	1693	GCTGCTTCCGCTGCGCAGGAGGATACCAAGTCTTTGGCAGGAGGCGCCCGGCTGG	1752
Db	561	AlaGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgArgGluAlaProArgTrp	580
QY	1753	GACGCCCTTTGAGGAGCCCGCTTGTGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1791
Db	581	AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu	593

RESULT 5

```

US-10-281-160-17
; Sequence 17, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-10-281-160-17
Alignment Scores:
Pred. No.: 6,54e-195 Length: 593
Score: 3511.00 Matches: 593
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 85.57% Indels: 0
DB: 14 Gaps: 0
US-09-824-647-16 (1-2095) x US-10-281-160-17 (1-593)
QY 13 ATGTGGACCTGTGTGAGTGGTGGCTTAACAGCAGGAGCTGTGTGGTGGACGGGTGC 72
DB 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20
QY 73 CAGATGGTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 132
DB 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTrpSer 40
QY 133 TGCTGCCGCTCCCTCTTGAGCAATGCGCCACAACTAGCAGCAGCAGCAGCAGCAGCAGCAGC 192
DB 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
QY 193 TGCAGGTTGATGCCCACTGCTGCTGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
DB 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysLeuPheThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGGCGGTGGATGCGGATGCGGATGCGGATGCGGATGCGGATGCG 312
DB 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro 100
QY 313 CGGGCTTCCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCA 372
DB 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120
QY 373 GTGGGTGCCATCCAGTGCCTGATAGTTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 432
DB 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
QY 433 GTTATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 492
DB 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
QY 493 AGGGTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
DB 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
QY 553 CCACGGGCAACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 612
DB 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200
QY 613 GCCTTGTCAGCTCGGTGATGTGCTGCGGACGACAGCTGCCGCTGCCGCTGCCGCTGCCGCTGCC 672

```

```

DB 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
QY 673 TGCTGTGAGCTGCCAGAGTGGGAAGTATGGCTGCTGCCCAATGCCCAAGCCACCTGCTGTC 732
DB 221 CysCysGluLeuProSerGlyLysTyrglyCysCysProMetProAsnAlaThrCysCys 240
QY 733 TCCGATCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 792
DB 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260
QY 793 CTCTCCAAAGAGACGCTACCAAGGACCTCTCACTAAGCTGCTGCTGCTGCTGCTGCTGCTGCT 852
DB 261 LeuSerLysGluAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
QY 853 GATGTGAATGTGACATGAGGTGAGCTGCCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 912
DB 281 AspValLysCysAspMetGluValSerCysProAspGlyTrpThrCysCysArgLeuGln 300
QY 913 TCGGGGGCTGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 972
DB 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
QY 973 TGCTGTCCCGGGGCTTTACGTGTGACACGACGAGGAGTACCTGCTGACAGGAGGAGGAGGAG 1032
DB 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1092
DB 341 GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
QY 1093 AAGAGAGATGCTCCCTGTGATAATGTCAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1152
DB 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380
QY 1153 CTCACGCTGCGGAGTGGGGCTGCTGCTCAATCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTG 1212
DB 381 LeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis 400
QY 1213 CAGCAGCTGCTGCCCGCAGCATACAGTGTAGTGTAGGAGGAGTGTGCTGCTGCTGCTGCTG 1272
DB 401 GlnHisCysCysProGlnArgTrpThrCysValAlaGluGlyGlnCysGlnArgGlySer 420
QY 1273 GAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1332
DB 421 GluIleValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg 440
QY 1333 GACATCGGCTGTGACACGACACAGCAGTCCCGGTGGGCGGAACCTGCTGCTGCTGCTGCTG 1392
DB 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyThrCysCysProSerGln 460
QY 1393 GGTGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
DB 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
QY 1453 TGTGCGCGCTGGGTACACCTGCAACAGTGAAGCTGATCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
DB 481 CysCysProAlaGlyTrpThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
QY 1513 TGTGCGCAGCTGCCCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1572
DB 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
QY 1573 TGTGGGGAAGGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
DB 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540
QY 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1692
DB 541 TrpAlaCysCysProTrpAlaGlnGlyValCysCysAlaAspArgArgHisCysCysPro 560
QY 1693 GCTGGCTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1752

```


QY 1633 TGGCGCTGCTGCTCCCTACGCCGCCAGGCGCTGTTGTGTGATCGCGCCACTGCTGCTCT 1692
 Db 541 TTPAlaCysCysProTyrAlaGlnGlyValCysCysAlaAspArgHisCysCysPro 560
 QY 1693 GCTGGCTTCGCTGCGGACGACAGGGGTACAAAGTGTTCGCGAGGAGGCCCGCGCTGG 1752
 Db 561 AlAGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgGluAlaProArgTrp 580
 QY 1753 GAGCGCCCTTTAGGGACCCAGCCTTGAGACAGCTGCTG 1791
 Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeu 593

RESULT 7
 US-09-925-301-1416
 ; Sequence 1416, Application US/09925301
 ; Patent NO. US20020052308A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: P106
 ; CURRENT APPLICATION NUMBER: US/09/925,301
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05882
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1694
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1416
 ; LENGTH: 621
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-925-301-1416

Alignment Scores:
 Pred. No.: 8-21e-194 Length: 621
 Score: 3492.00 Matches: 591
 Percent Similarity: 98.99% Conservative: 0
 Best Local Similarity: 98.99% Mismatches: 6
 Query Match: 85.11% Indels: 0
 DB: 9 Gaps: 0

US-09-824-647-16 (1-2095) x US-09-925-301-1416 (1-621)

QY 1 CGCAGGACAGACATGTGGACCTGTGTGAGCTGGTGGCTTAACAGCAGGCTGTGGCT 60
 Db 25 ArgArgGlnThrMetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAla 44
 QY 61 GGAACGGGTGCGCAGATGTCAGTTCTGCTGCGCTGTGCGCTGTGCGACCCCGGAGGA 120
 Db 45 GlyThrArgCysProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGly 64
 QY 121 GCCAGCTACAGCTGCTGCGCTCCCTTCTGGACNATGCCCAACACTGACGAGGCAT 180
 Db 65 AlAspTyrSerCysArgProLeuLeuAspLysTrpProThrLeuSerArgHis 84
 QY 181 CTGGGTGGCCCTGCGAGTGTATGCCACTGCTCTGCGCGCCACTCTCTGATCTTTACC 240
 Db 85 LeuGlyGlyProCysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThr 104
 QY 241 GTCTCAGGACTTCCAGTTGCTGCCCTTCCAGAGGCGGTGGCATGGGGATGGGCAT 300
 Db 105 ValSerGlyThrSerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHis 124
 QY 301 CATGTGTGCCACGGGCTTCCATGTCAGTGCAGACGGCGCATCTGCTTCCAAAGATCA 360
 Db 125 HisCysCysProArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSer 144
 QY 361 GGTAAACAATCCGTGGGTGCCATCCAGTGCCTGATGATGATGATGATGATGATGATGAT 420
 Db 145 GlyAsnAsnSerValGlyAlaIleGlnCysProAspSerGlnPheLeuLysCysProAspPhe 164
 QY 421 TCCAGTGTGTGTATGT 480

Db 165 SerThrCysCysValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSer 184
 QY 481 TGTGTGAAGACAGGGTGCACCTGTGTGTCGACCGGTGCTTCTGCGACCTGTGTTCACACC 540
 Db 185 CysCysGluAspArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThr 204
 QY 541 CGCTGCATCACACCCAGCGGACCCACCCCTGCGAAAGAGCTCCCTGCCACAGGACT 600
 Db 205 ArgCysIleThrProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThr 224
 QY 601 AACAGGGACAGTGGCTTGTCCAGCTGGTTCATGTGTCGGAGCGACGGTCCCGGTGCGCT 660
 Db 225 AsnArgAlaValAlaLeuSerSerValMetCysProAspAlaArgSerArgCysPro 244
 QY 661 GATGTTCTTACCTGTGTGAGCTGCCAGTGGGAAGTATGCTGCTGCCCAATGCCCAAC 720
 Db 245 AspGlySerThrCysCysGluLeuProSerGlyLysTyrGlyCysCysProMetProAsn 264
 QY 721 GCCACTGCTGCTCCGATCAGTGCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
 Db 265 AlaThrCysCysSerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuLe 284
 QY 781 CAGAGTAAAGTCTCTCCAAGGAGAACCTACACGAGACCTCTCTCACTAAGCTGCTGCG 840
 Db 285 GlnSerLysCysLeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAla 304
 QY 841 CACACAGTGGCGCATGTGAATGTGACATGAGGTGAGCTGCCCGACAGTGCATACCTGC 900
 Db 305 HisThrValGlyAspValLysCysAspMetGluValSerCysProAspGlyTyrThrCys 324
 QY 901 TGCCCTCTACAGTCTGGGGGCGCTGGGGCTGCTGCCCTTTTACCCAGGCTGTGTGTGTG 960
 Db 325 CysArgLeuGlnSerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGlu 344
 QY 961 GACCATACACTGCTGTCCCGGGTTCAGTGTGACGACGACGAGAGGCTACCTGTGAA 1020
 Db 345 AspHisIleHisCysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGlu 364
 QY 1021 CAGGGGCGCCACAGCTGCTGATGGAGAGGCGGCGGCTACCTCAGCTGCTGCCAGAC 1080
 Db 365 GlnGlyProHisGlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAsp 384
 QY 1081 CCACAGCTTGAAGAGATGTCCCTGTGATATGTCAGCTGTGTGAGCTGCTCCTCTCCGAT 1140
 Db 385 ProGlnAlaLeuLysArgAspValProCysAspAsnValSerSerCysProSerSerAsp 404
 QY 1141 ACCTGCTGCCACTCACGCTCTGGGAGTGGGGCTGCTGTCCAAATCCAGAGGCTGTCTGC 1200
 Db 405 ThrCysCysGlnLeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCys 424
 QY 1201 TGCTCGGACCCAGCAGCTGCTGCCCGGACGATACACGTGTGTGTGAGCTGAGGGGCGAGTGT 1260
 Db 425 CysSerAspHisGlnHisCysCysProGlnGlyTyrThrCysValAlaGluGlyGlnCys 444
 QY 1261 CAGCAGGAGCAGAGTCTGCTGAGTGTGAGAGTGTGCTGCCCGCGCTGCTCTT 1320
 Db 445 GlnArgGlySerGluIleValAlaGlyLeuGluLysMetProAlaArgAlaSerLeu 464
 QY 1321 TCCCAACCCAGAGACATCGGTGTGACCCAGCACACAGCTGCCCGGTGGCGGAACTGTC 1380
 Db 465 SerHisProArgAspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCys 484
 QY 1381 TGCCGACCCAGGCTGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440
 Db 485 CysProSerLeuGlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGlu 504
 QY 1441 GATCCCGCAGCTGCTGCCCGCTGGCTTACACCTGCACTGAGGCTGCTGCTGCTGCTGCTG 1500
 Db 505 AspArgGlnHisCysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGlu 524
 QY 1501 AAGGAAGTGTCTTGTGCCACCGCTGCCACCTTCTGCTGCCCGCTGCTGCTGCTGCTGCTG 1560


```

QY 1153 CTCACCTCTGGGAGTGGGCTGCTCCAAATCCACAGAGGCTGTCTGCTGCGACAC 1212
Db 379 LeuAasnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspA 398
QY 1213 CAGCACTGCTGCCCGACGATACAGTGTGTAGCTGAGGGCAGTGTCCAGCGAGAAC 1272
Db 399 GluHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrcysGlnLysGly 418
QY 1273 GAGATCGTGGCTGAGTGGAGAGATGCTGCTGCCCGCGGGTTCCTATCCACCCAC 1332
Db 419 ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIle 438
QY 1333 GACATCGCTGTACACAGACACACAGCTGCCGGTGGGAGACCTGCTGCCCGAGCC 1392
Db 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSer 458
QY 1393 GGTGGGAGCTGGGCTGCTGCCAGTTCGCCCATGTGTGTGCTGCGAGGATGCCAG 1452
Db 459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGln 478
QY 1453 TGCTGCCGCTGGCTACACTGCAAGTGAAGCTCGATCCCTGCGAGAGGAGTGGTC 1512
Db 479 CysCysProAlaGlyTyrcysAsnValLysAlaArgThrCysGluLysAspVal 498
QY 1513 TCTGCCAGCTGCCACTTCCTGGCCCGCTAGCCCTCAGCTGGGTGTGAAGACGTGG 1572
Db 499 PheIleGlnProValLeuLeuThrLeuGlyProLysValGly-----AsnVal 516
QY 1573 TGTGGGAGAGCACTTCTGCCATGATAACAGACCTGTGCGGAGACACCGACAGGC 1632
Db 517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGly 536
QY 1633 TGGGCTGCTGCTCCACGCCAGCGGCTGTGTGTGCTGATCGGCGCCACTGCTGCT 1692
Db 537 TrpAlaCysCysProLysLeuLysGlyValCysCysArgAspGlyArgHisCys 556
QY 1693 GCTGGCTCCGCTGCCAGCAGCGGGTACCAAGTGTGGCGAGGAGCGCCGCTGG 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArg 576
QY 1753 GAGCCCTTGGAGGACCCAGCTTGCAGACAGTGGT 1791
Db 577 AspMetPheLeuArgAspProValProArgProLeuLeu 589

RESULT 10
US-09-824-807-2
; Sequence 2, Application US/09824807
; Patent No. US2002009496A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824.807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-807-2

Alignment Scores:
Pred. No.: 5,798-147 Length: 589
Scores: 2681.00 Matches: 439
Percent Similarity: 83.81% Conservative: 58
Best Local Similarity: 74.03% Mismatches: 92
Query Match: 65.34% Indels: 4

```

```

DB: 9 Gaps: 3
US-09-824-647-16 (1-2095) x US-09-824-807-2 (1-589)
QY 13 ATGTGGACCTGTGAGCTGGTGGCTTAACAGAGGCTGTGTGGTGAACGCGGTGC 72
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGTCAGTTCGCTGCTGGCTGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyGlyAlaAsnTy 40
QY 133 TGCTGCGCTGCCCTTCTGGCAAAATGGCCCAACACTGACAGGCACTATCGGTGGCCCC 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisHisLeuAspGly 60
QY 193 TGCAGAGTGTATGCCACTGCTCTGCCGGGCACTCTTCATCCGCTCTCAGGGACT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTyrcysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGGCGCTGGCATGCGGGATGCGCCATCATCTGCTGCC 312
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyrcysCysPro 100
QY 313 CGGGCTTCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 372
Db 101 GlnGlyPheHisCysSerAlaAspGlySerCysPheGlnMetSer--AspAsnPro 119
QY 373 GTGGTGGCTATCCAGTGCCTGATGTCAGTTCGAATGCCCGGACTTCTCCACGTGCT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCys 139
QY 433 GTTATGTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 492
Db 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGlyAsp 159
QY 493 AGGGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 552
Db 160 ArgValHisCysCysProHisGlyValSerCysAspLeuValHisThrArgCysVal 179
QY 553 CCCACGGCACCCCTTCCGCAAAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 612
Db 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnSerAla 199
QY 613 GCCTTGTCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspSerThr 219
QY 673 TGCTGTGAGCTGCCAGTGGGAGTATGCTGCTGCCCAATGCCCAACGCCCTGCTGCT 732
Db 220 CysCysGluLeuProThrGlyLysTyrcysCysProMetProAsnAlaIleCysCys 239
QY 733 TCCGATCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 792
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLys 259
QY 793 CTCTCCAGGAGAACCTACACGACCTCTCTCAATAAGCTGCTGCTGCTGCTGCTGCT 852
Db 260 LeuSerLys--AsnTyrcysCysProAspLeuLeuThrLysLeuProGlyTyrcys 278
QY 853 GATGTGAATGTGATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 912
Db 279 GluValLysCysAspMetGluValSerCysProGluGlyTyrcysCysArgLeuAsn 298
QY 913 TCGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 972
Db 299 ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysAspHisIleHis 318
QY 973 TGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyLeu 338
QY 1033 CAGGTGCCCTGGTGGAGAGGCCCCCAGCTCACCTCAGCTGCCAGACCCACAGCCTTG 1092

```

```

Db      339  GlnValGlyTrpMetLysLysValIleAlaProLeuArgLeuProAspProGlnIleLeu 358
QY      1093  AAGAGAGATGTCCTCGTGTGATATGTCAGCAGCTGTCCTCTCCGATACCTGCTGCGCAA 1152
Db      359  LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY      1153  CTCAGTCTGGAGTGGGGCTCTGTCCAAATCCAGAGCTGTGTGTCTGCTCGACAC 1212
Db      379  LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
QY      1213  CAGACTGTCGCCCCAGACGATACAGTGTGAGCTGAGCGAGCAGTGTCCAGCAGAGC 1272
Db      399  GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTy-CysGlnLysGlyAsp 418
QY      1273  GAGATCTGCTGCTGAGAGATGCTGTCGCGCCGCGGGTTCCTTATCCACCCAG 1332
Db      419  ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
QY      1333  GACATCGCTGTGACAGACACACAGCTGCCCGGTGGCGGAACTGCTGCCCGAGCCAG 1392
Db      439  AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY      1393  GTGGAGCTGGGCTGCTCCAGTGTGCCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 1452
Db      459  LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
QY      1453  TGCTGCCCGCTGGCTACACTCAACCTGAAGCTCGATCTGCGAGAGAGAGTGTCTC 1512
Db      479  CysCysProAlaGlyTyThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
QY      1513  TCTGCCAGCTGCCACCTCTCTGCGCGGTAGCCCTCAGCTGGGTGTGAGAGACGTGG 1572
Db      499  PheIleGlnProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY      1573  TGTGGGGAAGACACTTCTCCATGATAACAGACCTGCTGCGCGAGCAACACGACAGGC 1632
Db      517  CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY      1633  TGGGCTGCTGCTCCTAGCGCCAGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1692
Db      537  TrpAlaCysCysProTyLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY      1693  GCTGGCTTCCGCTGCGCACAGGGGTACCAAGTGTTCGCGAGGAGAGCCCGCGCTGG 1752
Db      557  GlyGlyPheHisCysSerAlaAa-gglyThrLysCysLeuArgLysLysIleProArgTrp 576
QY      1753  GACGCCCTTGTAGGAGCCAGCTTGAGACAGCTGCTG 1791
Db      577  AspMetPheLeuArgAspProValProArgProLeuLeu 589

```

RESULT 11

```

; US-09-824-647-2
; Sequence 2, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 XDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
; US-09-824-647-2

```

```

Alignment Scores:
Pred. No.: 5,79e-147 Length: 589
Score: 2681.00 Matches: 439
Percent Similarity: 83.81% Conservative: 58
Best Local Similarity: 74.03% Mismatches: 92
Query Match: 65.34% Indels: 4
DB: 9 Gaps: 3

US-09-824-647-16 (1-2095) x US-09-824-647-2 (1-589)
QY      13  ATGTGACCCCTGGTGTGAGTGGGTGGCCCTTAACAGCAGAGGGCTGGTGGTGAACGGGTGC 72
Db      1  MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY      73  CAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 132
Db      21  ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyGlyAlaAsnTy-Ser 40
QY      133  TGTGTCGCTGCCCTCTCTGACAAATGGCCCAACACACTGACGACGACATCTGGTGGCC 192
Db      41  CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60
QY      193  TGCAGGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db      61  CysGlnThrHisGlyHisCysProAlaGlyTyThrSerCysLeuLeuThrValSerGlyThr 80
QY      253  TCCAGTGTGCTGCCCTCTCCAGAGCCGCTGGCATGCGGGGATGGCCATCACTGCTGCC 312
Db      81  SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyThrHisCysCysPro 100
QY      313  CGGGGCTTCACTGAGTGCAGAGCAGCGGGGATCTGCTGCTGCTGCTGCTGCTGCTGCT 372
Db      101  GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119
QY      373  GTGGGTGCCCATCCAGTGCCTGATAGTCAAGTTCGAATGCCCGGACTTCTCCACCTGTGT 432
Db      120  LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY      433  GTTATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 492
Db      140  IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159
QY      493  AGGGTGCACCTGTGCTCGCACCGTCTCTCGCACCTGCTGCTGCTGCTGCTGCTGCTGCT 552
Db      160  ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY      553  CCCACGGGACCCACCCCTGCAAGAGTCTCCTGCGCAGAGGACTTAACAGGCGAGTG 612
Db      180  ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnSerAlaVal 199
QY      613  GCCTTGTCCAGCTCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
Db      200  SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY      673  TCTGTGAGCTGCCAGTGGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 732
Db      220  CysCysGluLeuProThrGlyLysTyThrGlyCysCysProMetProAsnAlaIleCysCys 239
QY      733  TCCGATCACTGCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
Db      240  SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY      793  CTCTCCAGGAGACGCTACACGAGCCTCTCTCACTAGCTGCTGCTGCTGCTGCTGCTGCT 852
Db      260  LeuSerLys---AsnTyThrThrAspLeuLeuThrLysLeuProGlyTyProValLys 278
QY      853  GATGTGAAATGTGACATGGAGGTGAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 912
Db      279  GluValLysCysAspMetGluValSerCysProGluGlyTyThrCysCysArgLeuAsn 298
QY      913  TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
Db      299  ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysAspAspHisIleHis 318

```

```

QY 973 TCTGTCTCCGCGGTTTACGTGTGACACGAGAGGTTACCTGTGAACAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyLeu 338
QY 1033 CAGGTGCTGATGAGAGGCCCGAGCTCACCTCAGCTGCGCCAGAGCCACACAGCTTG 1092
Db 339 GlnValGlyTyrMetLysValIleAlaProLeuArgLeuProAspProGlnLeu 358
QY 1093 AAGAGAGATGTCCTGTGATATGTCAGAGCTGCTCCCTCCGATCTGTCGACAA 1152
Db 359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY 1153 CTCACCTCTGGGAGTGGGCTGCTGCTCAATCCAGAGGCTGCTGCTGCTGAGCAC 1212
Db 379 LeuAsnSerGlyAspTyrGlyCysProIleProGluAlaValCysCysSerAspAsn 398
QY 1213 CAGCACTGCTGCCCCAGGATACAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1272
Db 399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
QY 1273 GAGATGCTGCTGAGTGGAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1332
Db 419 ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
QY 1333 GACATGCTGTGACACAGCACACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392
Db 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY 1393 GGTGGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
Db 459 LysGlySerTyrAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
QY 1453 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
Db 479 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
QY 1513 TCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
Db 499 PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY 1573 TGTGGGAGAGACACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
Db 517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
Db 537 TrpAlaCysCysProTyrLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY 1693 GCTGCTTCCGCTGCGACGACAGGGGTACCAAGTGTGTGTGTGTGTGTGTGTGTGTGT 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArgTrp 576
QY 1753 GACGCCCCCTTGGAGGACCCAGCTTGTGACAGAGCTGCTG 1791
Db 577 AspMetPheLeuArgAspProValProArgProLeuLeu 589

```

RESULT 12

```

US-10-218-509-2
; Sequence 2, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 86 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996 488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0

```

```

; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-218-509-2

Alignment Scores:
Pred. No.: 5,79e-147 Length: 589
Score: 2681.00 Matches: 439
Percent Similarity: 83.81% Conservative: 58
Best Local Similarity: 74.03% Mismatches: 92
Query Match: 65.34% Indels: 4
DB: 14 Gaps: 3

```

US-09-824-647-16 (1-2095) x US-10-218-509-2 (1-589)

```

QY 13 ATGTGAGCCCTGTGTGAGTGGTGGTCCCTTAACACAGAGGCTGTGTGTGAACGCGGTGC 72
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGTGTGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTyrSer 40
QY 133 TCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisHisLeuAspGlySer 60
QY 193 TGCCAGGTTGATGCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTyrSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312
Db 81 SerSerCysCysProCysPheSerLysGlyValSerCysGlyAspGlyTyrHisCysCysPro 100
QY 313 CGGGCTTCCACTGTCAGTGCAGAGCGGCGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
Db 101 GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119
QY 373 GTGGTGTCCATCCAGTGGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY 433 GTATGTGTCAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492
Db 140 IleMetValAspGlySerTrpGlyCysProMetProGlnAlaSerCysGluAsp 159
QY 493 AGGFTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCCAGCGCACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 612
Db 180 ProThrGlyThrHisThrLeuLeuLysPheProAlaGlnLysThrAsnSerAlaVal 199
QY 613 GCCTTGTCCAGCTCGGTGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY 673 TGCTGTGAGCTGCCAGTGGGAAGTATGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 732
Db 220 CysCysGluLeuProThrGlyLysTyrGlyCysProMetProAsnAlaLysCysCys 239
QY 733 TCCGATCACCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY 793 CTCCTCCAGAGAGAACGCTTACCACGAGCTCTCTCACAAGCTGCTGCTGCTGCTGCTGCTG 852
Db 260 LeuSerLys---AsnTyrThrAspLeuLeuThrLysLeuProGlyTyrProValLys 278
QY 853 GATGTGAATGTGACATGGAGGTGAGCTGCCAGATGGCTATATACCTGCTGCTGCTGCTGCTG 912

```



```

QY 793 CTCTCCAGGAGACGCTACACGAGCTCTCTACTAAGCTGCTGGCGACACAGTGGC 852
Db 260 LeuSerLys---AsnTyrThrThrAspLeuLeuThrLysLeuProGlyTyrProValLys 278
QY 853 GATGTGAATGTGACATGAGTGGCTGCGCCAGATGCTATACCTGCTGCGCTCTACAG 912
Db 279 GluValLysCysAspMetGluValSerCysProGluGlyTyrThrCysCysArgLeuAsn 298
QY 913 TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
Db 299 ThrGlyAlaTyrGlyCysCysProPheAlaLysAlaValCysCysAspPheHis 318
QY 973 TGCTGTCCCGGGGCTTACGTGTGACACGAGAGGCTACTCTGACACGAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyLeu 338
QY 1033 CAGTGTCCCTGGATGAGAGGCGCCAGCTCACCTCAGCTGCGCAGACCCACAGCCTTG 1092
Db 339 GlnValGlyTyrMetLysLysValLeuAlaProLeuArgLeuProAspProGlnLeu 358
QY 1093 AAGAGAGATGCTCCCTGTGATAATGTCAGCAGCTGCTCTCTCGATACCTGCTGCAA 1152
Db 359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY 1153 CTCAGCTGTGGGAGTGGGCTGTGCTCCAAATCCAGAGGCTGTCTGCTCGGACAC 1212
Db 379 LeuAsnSerGlyAspTyrGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
QY 1213 CAGACTGCTCCCGCAGGATACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1272
Db 399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
QY 1273 GAGATGTGGTGGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1332
Db 419 ThrMetValAlaGlyLeuGluLysLeuProAlaArgGlnThrThrProLeuGlnLeuGly 438
QY 1333 GACATCGCTGTGACACACACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392
Db 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY 1393 GGTGGAGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
Db 459 LysGlySerTyrAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
QY 1453 TGCTCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
Db 479 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
QY 1513 TGTGCCAGCTGCCACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
Db 499 PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY 1573 TGTGGGAGGACATTTGTCATGATTAACAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
Db 517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY 1633 TGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
Db 537 TrpAlaCysCysProTyrLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY 1693 GCTGCTTCCGCTGCGCAGCGAGGCTACCAAGTGTGTTGCGCAGGAGGCGCCCGCTGG 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysLeuProArgTyr 576
QY 1753 GACGCGCTTTCAGGAGCCAGCTTGTGACAGCTGCTG 1791
Db 577 AspMetPheLeuArgAspProValProArgProLeuLeu 589

```

RESULT 14
 US-10-321-587-2
 ; Sequence 2, Application US/10321587
 ; Publication No. US20030215445A1

GENERAL INFORMATION:

; APPLICANT: Serrero, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: Z9996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/10/321,587
 ; CURRENT FILING DATE: 2002-12-18
 ; PRIOR APPLICATION NUMBER: US/08/991,862
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
 ; PRIOR APPLICATION NUMBER: 08/863,862
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 589
 ; TYPE: PRT
 ; ORGANISM: Mouse epithelin/granulin
 US-10-321-587-2

Alignment Scores:

Pred. No.: 5,79e-147 Length: 589
 Score: 2681.00 Matches: 439
 Percent Similarity: 83.81% Conservative: 58
 Best Local Similarity: 74.03% Mismatches: 92
 Query Match: 65.34% Indels: 4
 DB: 15 Gaps: 3

US-09-824-647-16 (1-2095) x US-10-321-587-2 (1-589)

```

QY 13 ATGTGACCTGTGTGAGCTGGTGGCTTAAACAGCAGGCTGGTGGTGGACGGGTGC 72
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGTGTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyGlyAlaAsnTyrSer 40
QY 133 TGCTGCGCTCCCTCTGACAAATGGCCCAACACACAGCAGGATCTGGTGGTGGCCCC 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60
QY 193 TGCCAGTGTGATGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTyrSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyrHisCysCysPro 100
QY 313 CGGGGCTTCCACTGCAGTGCAGCGGGCGATCCTGCTTCCAAAGATCAGGTAACTCC 372
Db 101 GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119
QY 373 GTGGTGCATCCAGTGCCTGATAGTTCAGTTCGATGCGGATGCGGATCTTCCACGTGCTGT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY 433 GTTATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492
Db 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159
QY 493 AGGCTGCATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCACGGGACACCCCTGCGCAAGAGCTCTGCTGCGCAGGACTTAAACAGGCGCAGTG 612
Db 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnSerAlaVal 199
QY 613 GCTTGTCCAGCTCGTTCATGTGCTCGGACGACCGTCCCGTGCCTGATGTTCTTACC 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY 673 TGCTGTGAGCTGCCAGTGGGAAGTATGCTGCTGCCCAATGCCCAACGCCACCTGCTGC 732

```



```
QY 373 GTGGTGCCATCCAGTGCCTCATAGTCAGTTTCGAATGCCGGACTTCTCCACGTGCTGT 432
Db |||||
QY 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
Db |||||
QY 433 GTTATGTCGATGGCTCCTGGGGGTGCTGCCCATGCCAGGCTTCTGTGTGAAGAC 492
Db |||||
QY 141 ValMetValAspGlySerTrpGlyCysCysProMet--Pro-----G 154
QY 493 AGGGTGCACTGCTGTCGGCAGGTGCCTTCTGCGACCTGTTTCACACCGCTGCATCACA 552
Db |||||
QY 154 InGlyAlaLeuLeuSerAlaArgCysLeuLeuArgProGlySerHisProLeuHisHisT 174
QY 553 CCCACGGGACCCACCCCTGGCAAGAAGTCCCTGCCAGAGGAC 599
Db |||||
QY 174 hrHisGlyHisProProGlyLysGluAlaProCysProGluAsp 189
```

Search completed: March 26, 2004, 13:05:02
Job time : 125.5 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 31.2308 Seconds
(without alignments)
117.297 Million cell updates/sec

Title: US-09-824-647-7

Perfect score: 74

Sequence: 1 ARRGTKCLRRAPR 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	14	9	US-09-813-156-7
2	74	100.0	14	9	US-09-824-807-7
3	74	100.0	14	9	US-09-824-647-7
4	74	100.0	14	14	US-10-218-509-7
5	74	100.0	14	14	US-10-281-160-7
6	74	100.0	14	15	US-10-321-587-7
7	74	100.0	593	9	US-09-813-156-17
8	74	100.0	593	9	US-09-824-807-17
9	74	100.0	593	9	US-09-824-647-17
10	74	100.0	593	14	US-10-218-509-17
11	74	100.0	593	14	US-10-281-160-17
12	74	100.0	593	15	US-10-321-587-17
13	68	91.9	593	14	US-10-262-473-6
14	68	91.9	621	9	US-09-925-301-1416
15	53	71.6	14	9	US-09-813-156-5

16	53	71.6	14	9	US-09-824-807-5	Sequence 5, Appli
17	53	71.6	14	9	US-09-824-647-5	Sequence 5, Appli
18	53	71.6	14	14	US-10-218-509-5	Sequence 5, Appli
19	53	71.6	14	14	US-10-281-160-5	Sequence 5, Appli
20	53	71.6	589	9	US-10-321-587-5	Sequence 5, Appli
21	53	71.6	589	9	US-09-813-156-2	Sequence 2, Appli
22	53	71.6	589	9	US-09-824-807-2	Sequence 2, Appli
23	53	71.6	589	9	US-09-824-647-2	Sequence 2, Appli
24	53	71.6	589	14	US-10-218-509-2	Sequence 2, Appli
25	53	71.6	589	14	US-10-281-160-2	Sequence 2, Appli
26	53	71.6	589	15	US-10-321-587-2	Sequence 2, Appli
27	43	58.1	330	12	US-10-425-114-46601	Sequence 46601 A
28	41	55.4	113	10	US-09-975-719-307	Sequence 307, App
29	41	55.4	1083	14	US-10-217-700-11	Sequence 11, Appli
30	40	54.1	250	14	US-10-156-761-14524	Sequence 14524, A
31	40	54.1	831	15	US-10-369-493-18676	Sequence 18676, A
32	40	54.1	1156	9	US-09-757-716-1	Sequence 1, Appli
33	39	52.7	91	12	US-10-363-616-274	Sequence 274, App
34	39	52.7	147	14	US-10-080-170-466	Sequence 466, App
35	39	52.7	255	10	US-09-866-050A-692	Sequence 692, App
36	39	52.7	255	10	US-09-852-472-24	Sequence 24, Appli
37	39	52.7	275	9	US-09-790-264-15	Sequence 15, Appli
38	39	52.7	275	14	US-10-269-353-15	Sequence 15, Appli
39	39	52.7	278	10	US-09-852-472-19	Sequence 19, Appli
40	39	52.7	1121	9	US-09-970-711-28	Sequence 28, Appli
41	38	51.4	87	12	US-10-424-599-146564	Sequence 146564, A
42	38	51.4	119	14	US-10-103-313-525	Sequence 525, App
43	38	51.4	137	14	US-10-103-313-397	Sequence 397, App
44	38	51.4	239	12	US-10-425-114-70681	Sequence 70681, A
45	38	51.4	300	14	US-10-210-428-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-09-813-156-7
; Sequence 7, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z3996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-813-156-7

Query Match 100.0%; Score 74; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRAPR 14

DB 1 ARRGTKCLRRAPR 14

RESULT 2
US-09-824-807-7

```
; Sequence 7, Application US/09824807
; Patent No. US2002009496A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-824-807-7

Query Match          100.0%; Score 74; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARGTGKCLRREAPR 14
Db 1 ARGTGKCLRREAPR 14

RESULT 3
US-09-824-647-7
; Sequence 7, Application US/09824647
; Patent No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-824-647-7

Query Match          100.0%; Score 74; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARGTGKCLRREAPR 14
Db 1 ARGTGKCLRREAPR 14

RESULT 4
US-10-218-509-7
; Sequence 7, Application US/10218509
; Patent No. US2003021545A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-218-509-7

Query Match          100.0%; Score 74; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARGTGKCLRREAPR 14
Db 1 ARGTGKCLRREAPR 14

RESULT 5
US-10-281-160-7
; Sequence 7, Application US/10281160
; Patent No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-281-160-7

Query Match          100.0%; Score 74; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARGTGKCLRREAPR 14
Db 1 ARGTGKCLRREAPR 14

RESULT 6
US-10-321-587-7
; Sequence 7, Application US/10321587
; Patent No. US2003021545A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-321-587-7

Query Match          100.0%; Score 74; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARGTGKCLRREAPR 14
Db 1 ARGTGKCLRREAPR 14
```

```

; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-321-587-7

Query Match          100.0%; Score 74; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ARRGTKCLRREAPR 14
Db      1  ARRGTKCLRREAPR 14
|||||

RESULT 7
US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-813-156-17

Query Match          100.0%; Score 74; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 0.00048;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ARRGTKCLRREAPR 14
Db      566 ARRGTKCLRREAPR 579
|||||

RESULT 8
US-09-824-807-17
; Sequence 17, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04

```

```

; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-824-807-17

Query Match          100.0%; Score 74; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 0.00048;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ARRGTKCLRREAPR 14
Db      566 ARRGTKCLRREAPR 579
|||||

RESULT 9
US-09-824-647-17
; Sequence 17, Application US/09824647
; Publication No. US20020193270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-824-647-17

Query Match          100.0%; Score 74; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 0.00048;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ARRGTKCLRREAPR 14
Db      566 ARRGTKCLRREAPR 579
|||||

RESULT 10
US-10-218-509-17
; Sequence 17, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-10-218-509-17

```

Query Match 100.0%; Score 74; DB 14; Length 593;
 Best Local Similarity 100.0%; Pred. No. 0.00048;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14
 DB 566 ARRGTKCLRRREAPR 579

RESULT 11
 US-10-281-160-17
 ; Sequence 17, Application US/10281160
 ; Publication No. US20030108950A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serrero, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: Z9996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/10/281,160
 ; CURRENT FILING DATE: 2002-10-28
 ; PRIOR APPLICATION NUMBER: US/08/991,862
 ; PRIOR FILING DATE: 1998-08-17
 ; PRIOR APPLICATION NUMBER: 08/863,862
 ; PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 17
 ; LENGTH: 593
 ; TYPE: PRT
 ; ORGANISM: Human GP88 cDNA
 US-10-281-160-17

Query Match 100.0%; Score 74; DB 14; Length 593;
 Best Local Similarity 100.0%; Pred. No. 0.00048;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14
 DB 566 ARRGTKCLRRREAPR 579

RESULT 12
 US-10-321-587-17
 ; Sequence 17, Application US/10321587
 ; Publication No. US20030215445A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serrero, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: Z9996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/10/321,587
 ; CURRENT FILING DATE: 2002-12-18
 ; PRIOR APPLICATION NUMBER: US/08/991,862
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
 ; PRIOR APPLICATION NUMBER: 08/863,862
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 17
 ; LENGTH: 593
 ; TYPE: PRT
 ; ORGANISM: Human GP88 cDNA
 US-10-321-587-17

Query Match 100.0%; Score 74; DB 15; Length 593;
 Best Local Similarity 100.0%; Pred. No. 0.00048;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14
 DB 566 ARRGTKCLRRREAPR 579

RESULT 13

US-10-262-473-6
 ; Sequence 6, Application US/10262473
 ; Publication No. US20030199442A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsobrook, John
 ; APPLICANT: Burgess, Catherine,
 ; APPLICANT: Gorman, Linda,
 ; APPLICANT: Guo, Xiaojia,
 ; APPLICANT: Lepley, Denise,
 ; APPLICANT: Patturajan, Meera,
 ; APPLICANT: Rastelli, Luca,
 ; APPLICANT: Reiser, Daniel,
 ; APPLICANT: Spytek, Kimberly,
 ; APPLICANT: Zhong, Mei
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
 ; FILE REFERENCE: 21402-462B
 ; CURRENT APPLICATION NUMBER: US/10/262,473
 ; CURRENT FILING DATE: 2003-01-28
 ; PRIOR APPLICATION NUMBER: 60/327,917
 ; PRIOR FILING DATE: 2001-10-09
 ; PRIOR APPLICATION NUMBER: 60/328,029
 ; PRIOR FILING DATE: 2001-10-09
 ; PRIOR APPLICATION NUMBER: 60/328,056
 ; PRIOR FILING DATE: 2001-10-09
 ; PRIOR APPLICATION NUMBER: 60/349,575
 ; PRIOR FILING DATE: 2001-10-29
 ; PRIOR APPLICATION NUMBER: 60/381,038
 ; PRIOR FILING DATE: 2002-05-16
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: Curaseqlist version 0.1
 ; SEQ ID NO 6
 ; LENGTH: 593
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-262-473-6

Query Match 91.9%; Score 68; DB 14; Length 593;
 Best Local Similarity 92.9%; Pred. No. 0.0049;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14
 DB 566 ARRGTKCLRRREAPR 579

RESULT 14
 US-09-925-301-1416
 ; Sequence 1416, Application US/09925301
 ; Patent No. US20020052308A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA106
 ; CURRENT APPLICATION NUMBER: US/09/925,301
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05882
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1694
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 1416
 ; LENGTH: 621
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-925-301-1416

Query Match 91.9%; Score 68; DB 9; Length 621;
 Best Local Similarity 92.9%; Pred. No. 0.005;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14

```

Db      594 AARGTKCLRREAPR 607

RESULT 15
US-09-813-156-5
; Sequence 5, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antiserum against the GP88 used in the
; OTHER INFORMATION: immunofluorescence step.
US-09-813-156-5

Query Match      71.6%; Score 53; DB 9; Length 14;
Best Local Similarity 75.0%; Pred. No. 0.041;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      3 RGTGKCLRREAPR 14
      |||||::||
Db      3 RGTGKLRKKIPR 14

Search completed: March 26, 2004, 12:48:35
Job time : 31.4308 secs

```


1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

```

; Sequence 6, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-824-807-6

Query Match      100.0%; Score 98; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDPQALKRDV 19
Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 3
US-09-824-647-6
; Sequence 6, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-824-647-6

Query Match      100.0%; Score 98; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDPQALKRDV 19
Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 4
US-10-218-509-6
; Sequence 6, Application US/10218509
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-281-160-6

Query Match      100.0%; Score 98; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDPQALKRDV 19
Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 5
US-10-281-160-6
; Sequence 6, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-281-160-6

Query Match      100.0%; Score 98; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDPQALKRDV 19
Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 6
US-10-321-587-6
; Sequence 6, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-218-509-6

Query Match      100.0%; Score 98; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDPQALKRDV 19
Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 6
US-10-321-587-6
; Sequence 6, Application US/10321587
; Publication No. US20030215445A1

```

GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321.587
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991.862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-321-587-6

Query Match 100.0%; Score 98; DB 15; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
| | | | | | | | | | | | | | | | | | | | |
Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 7
US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813.156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cdna
US-09-813-156-17

Query Match 100.0%; Score 98; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
| | | | | | | | | | | | | | | | | | | | |
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 8
US-09-824-807-17
; Sequence 17, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824.807
; CURRENT FILING DATE: 2001-04-04

; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cdna
US-09-824-807-17

Query Match 100.0%; Score 98; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
| | | | | | | | | | | | | | | | | | | | |
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 9
US-09-824-647-17
; Sequence 17, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824.647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cdna
US-09-824-647-17

Query Match 100.0%; Score 98; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
| | | | | | | | | | | | | | | | | | | | |
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 10
US-10-218-509-17
; Sequence 17, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218.509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cdna
US-10-218-509-17

```
Query Match      100.0%; Score 98; DB 14; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
    |||||
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 11
US-10-281-160-17
; Sequence 17, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; TYPE: PRT
; LENGTH: 593
; ORGANISM: Human GP88 cDNA
US-10-281-160-17

Query Match      100.0%; Score 98; DB 14; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
    |||||
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 12
US-10-262-473-6
; Sequence 6, Application US/10262473
; Publication No. US20030199442A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John.
; APPLICANT: Burgess, Catherine,
; APPLICANT: Gorman, Linda,
; APPLICANT: Guo, Xiaojia,
; APPLICANT: Lepley, Denise,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Reiger, Daniel,
; APPLICANT: Spytex, Kimberly,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-462B
; CURRENT APPLICATION NUMBER: US/10/262,473
; CURRENT FILING DATE: 2003-01-28
; PRIOR FILING DATE: 2003-01-27
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/349,575
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/381,038
; PRIOR FILING DATE: 2002-05-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 6
```

```
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-473-6

Query Match      100.0%; Score 98; DB 14; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
    |||||
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 13
US-10-321-587-17
; Sequence 17, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-12-18
; PRIOR FILING DATE: US/08/991,862
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; TYPE: PRT
; LENGTH: 593
; ORGANISM: Human GP88 cDNA
US-10-321-587-17

Query Match      100.0%; Score 98; DB 15; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
    |||||
Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 14
US-09-925-301-1416
; Sequence 1416, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR FILING DATE: PCT/US00/05882
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1416
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-301-1416

Query Match      100.0%; Score 98; DB 9; Length 621;
Best Local Similarity 100.0%; Pred. No. 2e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
    |||||
```

```

Db      374 EKAPAHLSLPDPQALKRDV 392

RESULT 15
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match      51.0%; Score 50; DB 9; Length 589;
Best Local Similarity 61.1%; Pred.No. 35;
Matches 11; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRD 18
       :| | | | | | | | | |
Db      344 KKVIAPLRLPDPQILKSD 361

```

Search completed: March 26, 2004, 12:48:35
Job time : 43.5846 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 31.2308 Seconds
(without alignments)
117.297 Million cell updates/sec

Title: US-09-824-647-5

Perfect score: 73

Sequence: 1 SARGTKCLRKIPR 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/2/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	73	100.0	14	9	US-09-813-156-5
2	73	100.0	14	9	US-09-824-647-5
3	73	100.0	14	9	US-09-824-647-5
4	73	100.0	14	14	US-10-218-509-5
5	73	100.0	14	14	US-10-281-160-5
6	73	100.0	14	15	US-10-321-587-5
7	73	100.0	589	9	US-09-813-156-2
8	73	100.0	589	9	US-09-824-647-2
9	73	100.0	589	9	US-09-824-647-2
10	73	100.0	589	14	US-10-218-509-2
11	73	100.0	589	14	US-10-281-160-2
12	73	100.0	589	15	US-10-321-587-2
13	58	79.5	593	14	US-10-262-473-6
14	58	79.5	621	9	US-09-925-301-1416
15	53	72.6	14	9	US-09-813-156-7

16	53	72.6	14	9	US-09-824-807-7	Sequence 7, Appli
17	53	72.6	14	9	US-09-824-647-7	Sequence 7, Appli
18	53	72.6	14	14	US-10-218-509-7	Sequence 7, Appli
19	53	72.6	14	14	US-10-281-160-7	Sequence 7, Appli
20	53	72.6	14	15	US-10-321-587-7	Sequence 7, Appli
21	53	72.6	593	9	US-09-813-156-17	Sequence 17, Appl
22	53	72.6	593	9	US-09-824-807-17	Sequence 17, Appl
23	53	72.6	593	9	US-09-824-647-17	Sequence 17, Appl
24	53	72.6	593	14	US-10-218-509-17	Sequence 17, Appl
25	53	72.6	593	14	US-10-281-160-17	Sequence 17, Appl
26	53	72.6	593	15	US-10-321-587-17	Sequence 17, Appl
27	43	58.9	51	11	US-09-864-408A-6484	Sequence 6484, Ap
28	40	54.8	89	12	US-10-424-599-255221	Sequence 255221,
29	40	54.8	235	10	US-09-866-050A-692	Sequence 692, App
30	40	54.8	255	10	US-09-852-472-24	Sequence 24, Appl
31	40	54.8	275	9	US-09-790-264-15	Sequence 15, Appl
32	40	54.8	275	14	US-10-269-353-15	Sequence 15, Appl
33	40	54.8	278	10	US-09-852-472-19	Sequence 19, Appl
34	40	54.8	555	12	US-10-282-122A-77997	Sequence 77997, A
35	39	53.4	29	14	US-10-091-166B-15	Sequence 15, Appl
36	39	53.4	29	14	US-10-272-121-15	Sequence 15, Appl
37	39	53.4	29	14	US-10-409-366-15	Sequence 15, Appl
38	39	53.4	29	14	US-10-409-532-15	Sequence 15, Appl
39	39	53.4	30	14	US-10-091-166B-16	Sequence 16, Appl
40	39	53.4	30	14	US-10-091-166B-72	Sequence 72, Appl
41	39	53.4	30	14	US-10-272-121-16	Sequence 16, Appl
42	39	53.4	30	14	US-10-272-121-72	Sequence 72, Appl
43	39	53.4	30	14	US-10-409-366-16	Sequence 16, Appl
44	39	53.4	30	14	US-10-409-366-72	Sequence 72, Appl
45	39	53.4	30	14	US-10-409-532-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-09-813-156-5
; Sequence 5, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-5

Query Match 100.0%; Score 73; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SARGTKCLRKIPR 14

Db 1 SARGTKCLRKIPR 14

RESULT 2

```

US-09-824-807-5
; Sequence 5, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-807-5

Query Match 100.0%; Score 73; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKIKIPR 14
DB 1 SARGTKCLRKIKIPR 14

RESULT 3
US-09-824-647-5
; Sequence 5, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-5

Query Match 100.0%; Score 73; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKIKIPR 14
DB 1 SARGTKCLRKIKIPR 14

US-09-824-807-5
; Sequence 5, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-807-5

Query Match 100.0%; Score 73; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKIKIPR 14
DB 1 SARGTKCLRKIKIPR 14

```

```

RESULT 4
US-10-218-509-5
; Sequence 5, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-218-509-5

Query Match 100.0%; Score 73; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKIKIPR 14
DB 1 SARGTKCLRKIKIPR 14

RESULT 5
US-10-281-160-5
; Sequence 5, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-281-160-5

Query Match 100.0%; Score 73; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKIKIPR 14
DB 1 SARGTKCLRKIKIPR 14

```



```

RESULT 6
US-10-321-587-5
; Sequence 5, Application US/10321587
; Publication No. US2003021545A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-321-587-5

Query Match      100.0%; Score 73; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKIKPR 14
DB      1 SARGTKCLRKIKPR 14
|||||

US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKIKPR 14
DB      562 SARGTKCLRKIKPR 575
|||||

RESULT 7
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKIKPR 14
DB      562 SARGTKCLRKIKPR 575
|||||

RESULT 8
US-09-824-807-2
; Sequence 2, Application US/09824807
; Patent No. US20020094966A1

```

```

; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-807-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKIKPR 14
DB      562 SARGTKCLRKIKPR 575
|||||

RESULT 9
US-09-824-647-2
; Sequence 2, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-647-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKIKPR 14
DB      562 SARGTKCLRKIKPR 575
|||||

RESULT 10
US-10-218-509-2
; Sequence 2, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17

```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-218-509-2

Query Match 100.0%; Score 73; DB 14; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
DB 562 SARGTKCLRKKIPR 575

RESULT 11
US-10-281-160-2
; Sequence 2, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-281-160-2

Query Match 100.0%; Score 73; DB 14; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
DB 562 SARGTKCLRKKIPR 575

RESULT 12
US-10-321-587-2
; Sequence 2, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-321-587-2

Query Match 100.0%; Score 73; DB 15; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
DB 562 SARGTKCLRKKIPR 575

RESULT 13
US-10-262-473-6
; Sequence 6, Application US/10262473
; Publication No. US20030199442A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, John,
; APPLICANT: Burgess, Catherine,
; APPLICANT: Gorman, Linda,
; APPLICANT: Guo, Xiaojia,
; APPLICANT: Lepley, Denise,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Reiger, Daniel,
; APPLICANT: Spytek, Kimberly,
; APPLICANT: Zhong, Wei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-462B
; CURRENT APPLICATION NUMBER: US/10/262,473
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/349,575
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/381,038
; PRIOR FILING DATE: 2002-05-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Curasequest version 0.1
; SEQ ID NO 6
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-473-6

Query Match 79.5%; Score 58; DB 14; Length 593;
Best Local Similarity 71.4%; Pred. No. 0.11;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
DB 566 AARGTKCLRREAPR 579

RESULT 14
US-09-925-301-1416
; Sequence 1416, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1416
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-301-1416

Query Match 79.5%; Score 58; DB 9; Length 621;
 Best Local Similarity 71.4%; Pred.No. 0.12;
 Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 QY 1 SARGTKLRKKIPR 14
 :|||||:|:|
 Db 594 AARGTKLRREAPR 607

RESULT 15
 US-09-813-156-7
 ; Sequence 7, Application US/09813156
 ; Patent No. US20020061859A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serreio, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: Z9996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/09/813,156
 ; CURRENT FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 08/991,862
 ; PRIOR FILING DATE: 1997-12-16
 ; PRIOR APPLICATION NUMBER: 08/863,862
 ; PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Human granulin
 ; FEATURE:
 ; NAME/KEY: PEPTIDE
 ; LOCATION: (1)..(14)
 ; OTHER INFORMATION: Internal peptide of human GP88 used to develop
 ; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
 US-09-813-156-7

Query Match 72.6%; Score 53; DB 9; Length 14;
 Best Local Similarity 75.0%; Pred.No. 0.021;
 Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 3 RGTCKLRKKIPR 14
 :|||||:|:|
 Db 3 RGTCKLRREAPR 14

Search completed: March 26, 2004, 12:48:34
 Job time : 31.4308 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 26.7692 Seconds
(without alignments)
117.297 Million cell updates/sec

Title: US-09-824-647-4

Perfect score: 69

Sequence: 1 PDAKTQCPDDST 12

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:**
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	69	100.0	12	9 US-09-813-156-4	Sequence 4, Appli
2	69	100.0	12	9 US-09-824-807-4	Sequence 4, Appli
3	69	100.0	12	9 US-09-824-647-4	Sequence 4, Appli
4	69	100.0	12	14 US-10-218-509-4	Sequence 4, Appli
5	69	100.0	12	14 US-10-281-160-4	Sequence 4, Appli
6	69	100.0	12	15 US-10-321-587-4	Sequence 4, Appli
7	69	100.0	589	9 US-09-813-156-2	Sequence 2, Appli
8	69	100.0	589	9 US-09-824-807-2	Sequence 2, Appli
9	69	100.0	589	9 US-09-824-647-2	Sequence 2, Appli
10	69	100.0	589	14 US-10-218-509-2	Sequence 2, Appli
11	69	100.0	589	14 US-10-281-160-2	Sequence 2, Appli
12	69	100.0	589	15 US-10-321-587-2	Sequence 2, Appli
13	51	73.9	593	9 US-09-813-156-17	Sequence 17, Appli
14	51	73.9	593	9 US-09-824-807-17	Sequence 17, Appli
15	51	73.9	593	9 US-09-824-647-17	Sequence 17, Appli

16	51	73.9	593	14	US-10-218-509-17	Sequence 17, Appli
17	51	73.9	593	14	US-10-281-160-17	Sequence 17, Appli
18	51	73.9	593	14	US-10-262-473-6	Sequence 6, Appli
19	51	73.9	593	15	US-10-321-587-17	Sequence 17, Appli
20	51	73.9	621	9	US-09-925-301-1416	Sequence 1416, Ap
21	44	63.8	364	15	US-10-369-493-19208	Sequence 19208, A
22	43	62.3	189	14	US-10-262-473-8	Sequence 8, Appli
23	43	62.3	318	15	US-10-389-493-5246	Sequence 5246, Ap
24	40	58.0	779	12	US-10-282-122A-61669	Sequence 61669, A
25	38	55.1	37	9	US-09-864-761-44137	Sequence 44137, A
26	38	55.1	93	12	US-10-424-599-176853	Sequence 176853,
27	38	55.1	94	9	US-09-789-561-129	Sequence 129, Ap
28	38	55.1	94	11	US-09-833-245-2115	Sequence 2115, Ap
29	38	55.1	706	15	US-10-369-493-17066	Sequence 17066, A
30	38	55.1	726	12	US-10-425-114-54008	Sequence 54008, A
31	38	55.1	1283	15	US-10-369-493-6817	Sequence 6817, Ap
32	37	53.6	79	12	US-10-424-599-169801	Sequence 169801,
33	37	53.6	115	12	US-10-424-599-231113	Sequence 231113,
34	37	53.6	118	15	US-10-393-840-130	Sequence 130, App
35	37	53.6	193	12	US-10-425-114-46784	Sequence 46784, A
36	37	53.6	398	9	US-09-864-761-37818	Sequence 37818, A
37	37	53.6	416	14	US-10-029-386-13414	Sequence 33414, A
38	37	53.6	418	12	US-10-424-599-186411	Sequence 186411,
39	37	53.6	431	12	US-10-425-114-51428	Sequence 51428, A
40	37	53.6	791	12	US-10-282-122A-61149	Sequence 61149, A
41	37	53.6	791	15	US-10-104-047-2307	Sequence 2307, Ap
42	37	53.6	1320	15	US-10-168-659-13	Sequence 13, Appli
43	36	52.9	356	15	US-10-369-493-10419	Sequence 10419, A
44	36	52.2	38	14	US-10-133-128-145	Sequence 145, App
45	36	52.2	38	14	US-10-289-660-145	Sequence 145, App

ALIGNMENTS

RESULT 1
US-09-813-156-4
; Sequence 4, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996 488/P001-A
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)...(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-4

Query Match 100.0%; Score 69; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Ov 1 PDAKTQCPDDST 12

Db 1 PDAKTQCPDDST 12

RESULT 2

```

US-09-824-807-4
; Sequence 4, Application US/09824807
; Patent No. US2002009496A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-807-4

Query Match      100.0%; Score 69; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

```

```

RESULT 3
US-09-824-647-4
; Sequence 4, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-4

Query Match      100.0%; Score 69; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

```

```

RESULT 4
US-10-218-509-4
; Sequence 4, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-218-509-4

Query Match      100.0%; Score 69; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

```

```

RESULT 5
US-10-281-160-4
; Sequence 4, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-281-160-4

Query Match      100.0%; Score 69; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

```

```

RESULT 6
US-10-321-587-4
; Sequence 4, Application US/10321587
; Publication No. US20030315445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; NAME/KEY: PEPTIDE
; LOCATION: (1)-(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-321-587-4

```

```

Query Match 100.0%; Score 69; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTCPPDDST 12
Db 1 PDAKTCPPDDST 12

```

```

RESULT 7
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

```

```

Query Match 100.0%; Score 69; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTCPPDDST 12
Db 208 PDAKTCPPDDST 219

```

```

RESULT 8
US-09-824-807-2
; Sequence 2, Application US/09824807
; Patent No. US20020094966A1

```

```

; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-807-2

```

```

Query Match 100.0%; Score 69; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTCPPDDST 12
Db 208 PDAKTCPPDDST 219

```

```

RESULT 9
US-09-824-647-2
; Sequence 2, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-647-2

```

```

Query Match 100.0%; Score 69; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 PDAKTCPPDDST 12
Db 208 PDAKTCPPDDST 219

```

```

RESULT 10
US-10-218-509-2
; Sequence 2, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17

```

```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRN
; ORGANISM: Mouse epithelin/g
US-10-218-509-2

```

Query Match	100.0%	Score 69;	DB 14;	Length 589;
Best Local Similarity	100.0%	Pred. No. 0.0053;		
Matches 12; Conservative	0;	Mismatches	0;	Indels

Qy 1 PDAKTQCDDST 12
Db 208 PDAKTQCDDST 219

RESULT 11

```

US-10-281-160-2
; Sequence 2, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z3996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 05/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-281-160-2

```

Query Match	100.0%	Score 69;	DB 14;	Length 589;
Best Local Similarity	100.0%	Pred. No. 0.0053;		
Matches 12:	Conservative	0: Mismatches	0: Indels	

Qy 1 PDAKTQCPDDST 12
pb 208 PDAKTQCPDDST 219

RESULT 12

```

RESUL 12
US-10-321-587-2
; Sequence 2, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z3996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-321-587-2

```

Query Match	100.0%;	Score 69;	DB 15;	Length 589;
Best Local Similarity	100.0%;	Pred. No. 0.0053;		
Matches 12;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 13

```

US-09-813-156-17
/ Sequence 17, Application US/09813156
/ Patent No. US20020061859A1
/ GENERAL INFORMATION:
/ APPLICANT: Serrero, Ginette
/ TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
/ FILE REFERENCE: Z9996.488/PC01-A
/ CURRENT APPLICATION NUMBER: US/09/813,156
/ CURRENT FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 08/991,862
/ PRIOR FILING DATE: 1997-12-16
/ PRIOR APPLICATION NUMBER: 08/863,862
/ PRIOR FILING DATE: 1997-05-23
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 17
/ LENGTH: 593
/ TYPE: PRT
/ ORGANISM: Human Gp88 cDNA
US-09-813-156-17

```

Query Match 73.9%; Score 51; DB 9; Length 593;
Best Local Similarity 66.7%; Pred. No. 4.6;
Matches 8; Conservative 3; Mismatches 1; Indels

Qy 1 PDAKTQCPDDST 12
|||::|||
Db 209 PDARSRCPDGST 220

RESULT 14

```

RESULTS: 14
US-09-824-807-17
/ Sequence 17, Application US/09824807
/ Patent No. US2002009466A1
/ GENERAL INFORMATION:
/ APPLICANT: Serrero, Ginette
/ TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
/ FILE REFERENCE: Z3996.488/P001-A
/ CURRENT APPLICATION NUMBER: US/09/824, 807
/ CURRENT FILING DATE: 2001-04-04
/ PRIOR APPLICATION NUMBER: 08/991, 862
/ PRIOR FILING DATE: 1997-12-16
/ PRIOR APPLICATION NUMBER: C8/863, 862
/ PRIOR FILING DATE: 1997-05-23
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 17
/ LENGTH: 593
/ TYPE: PRT
/ ORGANISM: Human Gp88 cDNA
US-09-824-807-17

```

Query Match 73.9%; Score 51; DB 9; Length 593;
Best Local Similarity 66.7%; Pred. No. 4.6;
Matches 8: Conservative 3; Mismatches 1; Indels

Qy 1 PDAKTQCPDDST 12
|||::|||
Dh 209 PDARSRCPDGST 220

PGITT.F 15

US-09-824-647-17 ; Sequence 17, Application US/09824647
 ; Publication No. US20020183270A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serviro, Ginette


```

; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-824-647-17

```

```

Query Match      73.9%  Score 51;  DB 9;  Length 593;
Best Local Similarity 66.7%;  Pred.No: 4.6;
Matches      8;  Conservative  3;  Mismatches  1;  Indels  0;  Gaps  0;

Oy      1  PDAKTQCPDDST 12
      |||::|||
Db      209  PDARSRCFDGST 220

```

Search completed: March 26, 2004, 12:48:34
Job time : 27.9692 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 42.3846 Seconds
(without alignments)
117.297 Million cell updates/sec

Title: US-09-824-647-3

Perfect score: 96
Sequence: 1 KKVIAAPRLPPQILKSDT 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
1: /cgn2_6/prodata/2/pubpaa/US07_PUBCOMB.pep:
2: /cgn2_6/prodata/2/pubpaa/US05_NEW_PUB.pep:
3: /cgn2_6/prodata/2/pubpaa/US06_PUBCOMB.pep:
4: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep:
5: /cgn2_6/prodata/2/pubpaa/US07_PUBCOMB.pep:
6: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pep:
7: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep:
8: /cgn2_6/prodata/2/pubpaa/US09_PUBCOMB.pep:
9: /cgn2_6/prodata/2/pubpaa/US09A_PUBCOMB.pep:
10: /cgn2_6/prodata/2/pubpaa/US09B_PUBCOMB.pep:
11: /cgn2_6/prodata/2/pubpaa/US09C_PUBCOMB.pep:
12: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep:
13: /cgn2_6/prodata/2/pubpaa/US10A_PUBCOMB.pep:
14: /cgn2_6/prodata/2/pubpaa/US10B_PUBCOMB.pep:
15: /cgn2_6/prodata/2/pubpaa/US10C_PUBCOMB.pep:
16: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep:
17: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep:
18: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	96	100.0	19	9 US-09-813-156-3	Sequence 3, Appli
2	96	100.0	19	9 US-09-824-807-3	Sequence 3, Appli
3	96	100.0	19	9 US-09-824-647-3	Sequence 3, Appli
4	96	100.0	19	14 US-10-218-509-3	Sequence 3, Appli
5	96	100.0	19	14 US-10-281-160-3	Sequence 3, Appli
6	96	100.0	19	15 US-10-321-587-3	Sequence 3, Appli
7	89	92.7	589	9 US-09-813-156-2	Sequence 2, Appli
8	89	92.7	589	9 US-09-824-807-2	Sequence 2, Appli
9	89	92.7	589	9 US-09-824-647-2	Sequence 2, Appli
10	89	92.7	589	14 US-10-218-509-2	Sequence 2, Appli
11	89	92.7	589	14 US-10-281-160-2	Sequence 2, Appli
12	89	92.7	589	15 US-10-321-587-2	Sequence 2, Appli
13	47	49.0	92	9 US-09-800-971-11	Sequence 11, Appli
14	47	49.0	189	12 US-10-425-114-60601	Sequence 60601, A
15	46	47.9	824	14 US-10-226-844-1	Sequence 1, Appli

46	47.9	824	14	US-10-210-951-58	Sequence 58, Appli
46	47.9	824	14	US-10-211-884-58	Sequence 58, Appli
44	45.8	19	9	US-09-813-156-6	Sequence 6, Appli
44	45.8	19	9	US-09-824-807-6	Sequence 6, Appli
44	45.8	19	9	US-09-824-647-6	Sequence 6, Appli
44	45.8	19	14	US-10-218-509-6	Sequence 6, Appli
44	45.8	19	14	US-10-281-160-6	Sequence 6, Appli
44	45.8	19	15	US-10-321-587-6	Sequence 6, Appli
44	45.8	319	14	US-10-156-761-1112	Sequence 1112, A
44	45.8	593	9	US-09-813-156-17	Sequence 17, Appli
44	45.8	593	9	US-09-824-807-17	Sequence 17, Appli
44	45.8	593	9	US-09-824-647-17	Sequence 17, Appli
44	45.8	593	14	US-10-218-509-17	Sequence 17, Appli
44	45.8	593	14	US-10-281-160-17	Sequence 17, Appli
44	45.8	593	14	US-10-321-587-17	Sequence 17, Appli
44	45.8	593	15	US-10-321-587-17	Sequence 17, Appli
44	45.8	593	15	US-10-369-493-3753	Sequence 3753, Ap
44	45.8	621	9	US-09-925-301-1416	Sequence 1416, Ap
44	45.8	753	12	US-10-425-114-59733	Sequence 59733, A
43	44.8	238	12	US-10-425-114-59562	Sequence 59562, A
43	44.8	434	12	US-10-425-114-70140	Sequence 70140, A
43	44.8	439	12	US-10-425-114-65495	Sequence 65495, A
43	44.8	444	12	US-10-425-114-71267	Sequence 71267, A
43	44.8	580	15	US-10-369-493-2184	Sequence 2184, Ap
43	44.8	595	10	US-09-849-138-2	Sequence 2, Appli
43	44.8	595	10	US-09-849-138-4	Sequence 4, Appli
43	44.8	595	10	US-09-849-138-6	Sequence 6, Appli
43	44.8	596	9	US-09-797-039-8	Sequence 8, Appli
43	44.8	596	10	US-09-849-138-8	Sequence 8, Appli
43	44.8	596	10	US-09-849-138-31	Sequence 31, Appli

ALIGNMENTS

RESULT 1

US-09-813-156-3
; Sequence 3, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813.156
; PRIORITY FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granuln
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KKVIAAPRLPPQILKSDT 19

DB 1 KKVIAAPRLPPQILKSDT 19

RESULT 2

```

US-09-824-807-3
; Sequence 3, Application US/09824807
; Patent No. US20020094966A1
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serreto, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-807-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

RESULT 3
US-09-824-647-3
; Sequence 3, Application US/09824647
; Patent No. US20020183270A1
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serreto, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

US-09-824-647-3
; Sequence 3, Application US/09824807
; Patent No. US20020094966A1
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serreto, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

```

```

RESULT 4
US-10-218-509-3
; Sequence 3, Application US/10218509
; Patent No. US20030092661A1
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serreto, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-218-509-3

Query Match 100.0%; Score 96; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

RESULT 5
US-10-281-160-3
; Sequence 3, Application US/10281160
; Patent No. US20030108950A1
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serreto, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-281-160-3

Query Match 100.0%; Score 96; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

```

RESULT 6
US-10-321-587-3
; Sequence 3, Application US/10321587
; Publication No. US2003021545A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321.587
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991.862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antiserum against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-321-587-3

Query Match 100.0%; Score 96; DB 15; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19
DB 1 KKVIAPRRRLPDPQILKSDT 19

RESULT 7
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813.156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991.862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match 92.7%; Score 89; DB 9; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19
DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 8
US-09-824-807-2
; Sequence 2, Application US/09824807
; Patent No. US20020094966A1

; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824.807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991.862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-807-2

Query Match 92.7%; Score 89; DB 9; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19
DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 9
US-09-824-647-2
; Sequence 2, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824.647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-647-2

Query Match 92.7%; Score 89; DB 9; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19
DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 10
US-10-218-509-2
; Sequence 2, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218.509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991.862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17

```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-218-509-2

Query Match      92.7%; Score 89; DB 14; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRLPDPQILKSDT 19
Db 344 KKVIAPLRLPDPQILKSDT 362

RESULT 11
US-10-281-160-2
; Sequence 2, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-281-160-2

Query Match      92.7%; Score 89; DB 14; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRLPDPQILKSDT 19
Db 344 KKVIAPLRLPDPQILKSDT 362

RESULT 12
US-10-321-587-2
; Sequence 2, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-321-587-2

Query Match      92.7%; Score 89; DB 15; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRLPDPQILKSDT 19
Db 344 KKVIAPLRLPDPQILKSDT 362

RESULT 13
US-09-800-971-11
; Sequence 11, Application US/09800971
; Patent No. US20020098577A1
; GENERAL INFORMATION:
; APPLICANT: Rachel A. Meyers
; TITLE OF INVENTION: 16835, A NOVEL HUMAN PHOSPHOLIPASE C
; FILE REFERENCE: 10448-023001
; CURRENT APPLICATION NUMBER: US/09/800,971
; CURRENT FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/187,453
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 60/188,032
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus sequence
US-09-800-971-11

Query Match      49.0%; Score 47; DB 9; Length 92;
Best Local Similarity 50.0%; Pred. No. 10;
Matches 9; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 KVIAPRELDPDPQILKSDT 19
Db 5 KIISARNLPDPYKVKSKT 22

RESULT 14
US-10-425-114-60601
; Sequence 60601, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kowalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 60601
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3597-065-F8_FLI.pep
US-10-425-114-60601

Query Match      49.0%; Score 47; DB 12; Length 189;
Best Local Similarity 47.1%; Pred. No. 21;
Matches 8; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 KKVIAPRRLPDPQILKSDT 17
Db 160 QRCVAPTPTDPPEALQA 176

```

Fri Mar 26 17:57:08 2004

```
RESULT 15
US-10-226-844-1
; Sequence 1, Application US/10226844
; Publication No. US20030113764A1
; GENERAL INFORMATION:
; APPLICANT: Bodary, Sarah C.
; APPLICANT: Fisher, Karen L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMORS
; FILE REFERENCE: P1773R1
; CURRENT APPLICATION NUMBER: US/10/226,844
; CURRENT FILING DATE: 2002-08-22
; PRIOR APPLICATION NUMBER: US/09/627,202
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: US 60/146,217
; PRIOR FILING DATE: 1999-07-28
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 1
; LENGTH: 824
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-226-844-1

Query Match      47.9%; Score 46; DB 14; Length 824;
Best Local Similarity 43.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY      2 KVIAPRRLPDPQILKS 17
DB      30 EVVLPRLRLEPRVRA 45

Search completed: March 26, 2004, 12:48:33
Job time : 42.5846 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 15.5897 Seconds
(without alignments)
62.919 Million cell updates/sec

Title: US-09-824-647-6

Perfect score: 98

Sequence: 1 EKAPAHLSLPDQALKRDV 19

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

- 1: /cgn2_6/ptodata/2/iaa/5A-COMB.pap.*
- 2: /cgn2_6/ptodata/2/iaa/5B-COMB.pap.*
- 3: /cgn2_6/ptodata/2/iaa/6A-COMB.pap.*
- 4: /cgn2_6/ptodata/2/iaa/6B-COMB.pap.*
- 5: /cgn2_6/ptodata/2/iaa/PCTUS-COMB.pap.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	98	100.0	19	4	US-08-991-862-6
2	98	100.0	19	4	US-09-813-156-6
3	98	100.0	593	1	US-07-668-648-4
4	98	100.0	593	2	US-08-429-998-4
5	98	100.0	593	2	US-08-431-333-4
6	98	100.0	593	4	US-08-991-862-17
7	98	100.0	593	4	US-09-813-156-17
8	98	100.0	593	5	PCT-US91-02321-4
9	63	64.3	589	1	US-07-668-648-2
10	63	64.3	589	2	US-08-429-998-2
11	63	64.3	589	2	US-08-431-333-2
12	63	64.3	589	5	PCT-US91-02321-2
13	53	54.1	179	1	US-07-668-648-8
14	53	54.1	179	2	US-08-429-998-8
15	53	54.1	179	2	US-08-431-333-8
16	53	54.1	179	5	PCT-US91-02321-8
17	50	51.0	589	4	US-08-991-862-2
18	50	51.0	589	4	US-08-991-862-3
19	44	44.9	19	4	US-09-813-156-3
20	44	44.9	188	4	US-09-489-039A-12034
21	44	44.9	238	4	US-09-489-039A-7819
22	44	44.9	493	4	US-09-252-991A-23421
23	44	44.9	589	1	US-07-668-648-6
24	44	44.9	589	2	US-08-429-998-6
25	44	44.9	589	2	US-08-431-333-6
26	44	44.9	589	5	PCT-US91-02321-6
27	44	44.9	589	5	PCT-US91-02321-6

RESULT 1
US-08-991-862-6
; Sequence 6, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991,862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863,862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-08-991-862-6

Query Match 100.0%; Score 98; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 EKAPAHLSLPDQALKRDV 19
Db 1 EKAPAHLSLPDQALKRDV 19

RESULT 2
US-09-813-156-6
; Sequence 6, Application US/09813156,
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0

ALIGNMENTS

; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human gp98 used to develop
; OTHER INFORMATION: neutralizing anti-human GP98 monoclonal antibody.
US-09-813-156-6

Query Match 100.0%; Score 98; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
DB 1 EKAPAHLSLPDPQALKRDV 19

RESULT 3
US-07-668-648-4
; Sequence 4, Application US/07/668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACIDS
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-4

Query Match 100.0%; Score 98; DB 1; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
DB 346 EKAPAHLSLPDPQALKRDV 364

RESULT 4
US-08-429-998-4
; Sequence 4, Application US/08429998

; Patent No. 585961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-4

Query Match 100.0%; Score 98; DB 2; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
DB 346 EKAPAHLSLPDPQALKRDV 364

RESULT 5
US-08-431-333-4
; Sequence 4, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

Fri Mar 26 17:57:11 2004

```
; APPLICATION NUMBER: US/08/431.333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-431-333-4

Query Match      100.0%; Score 98; DB 2; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 6
US-08-991-862-17
; Sequence 17, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991,862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863,862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
; US-08-991-862-17

Query Match      100.0%; Score 98; DB 4; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 7
US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
```

```
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
; US-09-813-156-17

Query Match      100.0%; Score 98; DB 4; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 8
PCT-US91-02321-4
; Sequence 4, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 728-4800
; TELEFAX: (206) 448-4775
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-4

Query Match      100.0%; Score 98; DB 5; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 9
US-07-668-648-2
; Sequence 2, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
```

Qy 1 EKAPAHLSLPDPQALKRDV 19

Db 344 KKVTAHSLPDPQILKNDV 362

RESULT 12

PCT-US91-02321-2
; Sequence 2, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plovman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-2

Query Match 64.3%; Score 63; DB 5; Length 589;
Best Local Similarity 68.4%; Pred. No. 0.036;
Matches 13; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19

Db 344 KKVTAHSLPDPQILKNDV 362

RESULT 13

US-07-668-648-8
; Sequence 8, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plovman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 179 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-8

Query Match 54.1%; Score 53; DB 1; Length 179;
Best Local Similarity 63.2%; Pred. NO. 0.38;
Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19

Db 118 KKAHLSLLDLGAVGSDV 136

RESULT 14

US-08-429-998-8
; Sequence 8, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plovman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 179 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-429-998-8

Query Match 54.1%; Score 53; DB 2; Length 179;
 Best Local Similarity 63.2%; Pred. No. 0.38;
 Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
 :|||||||:|:|
 Db 118 KKAPAHLSLLDLGAVEGDV 136

RESULT 15

US-08-431-333-8
 ; Sequence 8, Application US/08431333
 ; Patent No. 5965723
 ; GENERAL INFORMATION:
 ; APPLICANT: Shoyab, Mohammed
 ; APPLICANT: Flowman, Gregory D.
 ; TITLE OF INVENTION: EPIHELINS: NOVEL CYSTEINE-RICH GROWTH
 ; TITLE OF INVENTION: MODULATING PROTEINS
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/431.333
 ; FILING DATE: 27-APR-1995
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/668,648
 ; FILING DATE: 13-MAR-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Mirock, S. Leslie
 ; REGISTRATION NUMBER: 18,872
 ; REFERENCE/DOCKET NUMBER: 5624-161-999
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-9741
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 179 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-431-333-8

Query Match 54.1%; Score 53; DB 2; Length 179;
 Best Local Similarity 63.2%; Pred. No. 0.38;
 Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
 :|||||||:|:|
 Db 118 KKAPAHLSLLDLGAVEGDV 136

Search completed: March 26, 2004, 12:29:50
 Job time : 16.5897 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 11.4872 Seconds
(without alignments)
62.919 Million cell updates/sec

Title: US-09-824-647-7
Perfect score: 74
Sequence: 1 ARRTGKLCRRREAPR 14

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	14	US-08-991-862-7	Sequence 7, Appli
2	74	100.0	14	US-09-813-156-7	Sequence 7, Appli
3	74	100.0	593	US-08-991-862-17	Sequence 17, Appl
4	74	100.0	593	US-09-813-156-17	Sequence 17, Appl
5	68	91.9	593	US-07-668-648-4	Sequence 4, Appli
6	68	91.9	593	US-08-429-998-4	Sequence 4, Appli
7	68	91.9	593	US-08-431-333-4	Sequence 4, Appli
8	68	91.9	593	PCT-US91-02321-4	Sequence 4, Appli
9	53	71.6	14	US-08-991-862-5	Sequence 5, Appli
10	53	71.6	14	US-09-813-156-5	Sequence 5, Appli
11	53	71.6	589	US-07-668-648-6	Sequence 6, Appli
12	53	71.6	589	US-08-429-998-6	Sequence 6, Appli
13	53	71.6	589	US-08-431-333-6	Sequence 6, Appli
14	53	71.6	589	US-08-991-862-2	Sequence 2, Appli
15	53	71.6	589	US-09-813-156-2	Sequence 2, Appli
16	53	71.6	589	PCT-US91-02321-6	Sequence 6, Appli
17	51	68.9	589	US-07-668-648-2	Sequence 2, Appli
18	51	68.9	589	US-08-429-998-2	Sequence 2, Appli
19	51	68.9	589	US-08-431-333-2	Sequence 2, Appli
20	51	68.9	589	PCT-US91-02321-2	Sequence 2, Appli
21	46	62.2	377	US-09-252-991A-16720	Sequence 16720, A
22	46	59.5	261	US-09-252-991A-33140	Sequence 33140, A
23	43	58.1	145	US-09-252-991A-18653	Sequence 18653, A
24	42	56.8	236	US-09-252-991A-29311	Sequence 29311, A
25	42	56.8	551	US-09-252-991A-26416	Sequence 26416, A
26	41	55.4	107	US-09-489-039A-11041	Sequence 11041, A
27	41	55.4	113	US-09-199-637A-307	Sequence 307, App

28	41	55.4	252	4	US-09-252-991A-19905	Sequence 19905, A
29	41	55.4	301	3	US-09-230-421-2	Sequence 2, Appli
30	41	55.4	1083	4	US-09-394-272-11	Sequence 11, Appli
31	40	54.1	121	4	US-09-252-991A-30495	Sequence 30495, A
32	40	54.1	151	4	US-09-252-991A-32108	Sequence 32108, A
33	40	54.1	218	4	US-09-252-991A-29904	Sequence 29904, A
34	40	54.1	299	4	US-09-252-991A-21789	Sequence 21789, A
35	40	54.1	326	4	US-09-252-991A-21574	Sequence 21574, A
36	40	54.1	341	4	US-09-252-991A-32656	Sequence 32656, A
37	40	54.1	369	4	US-09-252-991A-32123	Sequence 32123, A
38	40	54.1	422	2	US-08-712-072C-2	Sequence 2, Appli
39	40	54.1	481	4	US-09-252-991A-25586	Sequence 25586, A
40	40	54.1	490	4	US-09-252-991A-16991	Sequence 16991, A
41	40	54.1	775	4	US-09-252-991A-22300	Sequence 22300, A
42	40	54.1	1156	3	US-08-996-083-1	Sequence 1, Appli
43	40	54.1	1156	3	US-09-429-516-1	Sequence 1, Appli
44	40	54.1	1156	3	US-09-429-516-3	Sequence 3, Appli
45	40	54.1	1238	4	US-09-252-991A-26363	Sequence 26363, A

ALIGNMENTS

RESULT 1
US-08-991-862-7
; Sequence 7, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991,862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863,862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-08-991-862-7

Query Match 100.0%; Score 74; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRTGKLCRRREAPR 14
| | | | | | | | | | | | | | | |
Db 1 ARRTGKLCRRREAPR 14

RESULT 2
US-09-813-156-7
; Sequence 7, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 566 ARRGTKCLRREAPR 579

RESULT 5
US-07-668-648-4
; Sequence 4, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-4

Query Match 91.9%; Score 68; DB 1; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 566 ARRGTKCLRREAPR 579

RESULT 6
US-08-429-998-4
; Sequence 4, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA

SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: Neutralizing anti-human GP88 monoclonal antibody.
US-09-813-156-7

Query Match 100.0%; Score 74; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 1 ARRGTKCLRREAPR 14

RESULT 3
US-08-991-862-17
; Sequence 17, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991,862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863,862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cdNA
US-08-991-862-17

Query Match 100.0%; Score 74; DB 4; Length 593;
Best Local Similarity 100.0%; Pred. No. 6.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 566 ARRGTKCLRREAPR 579

RESULT 4
US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cdNA
US-09-813-156-17

Query Match 100.0%; Score 74; DB 4; Length 593;
Best Local Similarity 100.0%; Pred. No. 6.5e-05;

ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/429,998
FILING DATE: 27-APR-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 593 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-429-998-4

Query Match 91.9%; Score 68; DB 2; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 566 AARGTKCLRREAPR 579

RESULT 7
US-08-431-333-4
Sequence 4, Application US/08431333
Patent No. 5965723
GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: Plozman, Gregory D.
TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
TITLE OF INVENTION: MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/431,333
FILING DATE: 27-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 593 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-431-333-4

Query Match 91.9%; Score 68; DB 2; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 566 AARGTKCLRREAPR 579

RESULT 8
PCT-US91-02321-4
Sequence 4, Application PC/TUS9102321
GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: Plozman, Gregory D.
TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
TITLE OF INVENTION: MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bristol-Myers Squibb Company
STREET: 3005 First Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02321
FILING DATE: 19910403
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Poor, Brian W.
REGISTRATION NUMBER: 32,928
REFERENCE/DOCKET NUMBER: ON0071A-PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 728-4800
TELEFAX: (206) 448-4775
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 593 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US91-02321-4

Query Match 91.9%; Score 68; DB 5; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRREAPR 14
Db 566 AARGTKCLRREAPR 579

RESULT 9
US-08-991-862-5
Sequence 5, Application US/08991862
Patent No. 6309826
GENERAL INFORMATION:
APPLICANT: Serrero, Ginette
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

```

/ TITLE OF INVENTION:  MODULATING PROTEINS
/ NUMBER OF SEQUENCES:  12
/ CORRESPONDENCE ADDRESSES:
/ ADDRESSEE:  Pennie & Edmonds
/ STREET:  1155 Avenue of the Americas
/ CITY:  New York
/ STATE:  New York
/ COUNTRY:  USA
/ ZIP:  10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE:  Floppy disk
/ COMPUTER:  IBM PC compatible
/ OPERATING SYSTEM:  PC-DOS/MS-DOS
/ SOFTWARE:  PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER:  US/07/668,648
/ FILING DATE:  19910819
/ CLASSIFICATION:  S14
/ ATTORNEY/AGENT INFORMATION:
/ NAME:  Misrock, S. Leslie
/ REGISTRATION NUMBER:  18,872
/ REFERENCE/DOCKET NUMBER:  5624-161-999
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE:  (212) 730-9090
/ TELEFAX:  (212) 869-9741
/ INFORMATION FOR SEQ ID NO:  6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH:  589 amino acids
/ TYPE:  AMINO ACID
/ TOPOLOGY:  linear
/ MOLECULE TYPE:  protein
/ US-07-668-648-6

Query Match 71.6%; Score 53; DB 1; Length 589;
Best Local Similarity 75.0%; Pred. No. 0.27;
Matches 9; Conservative 2; Mismatches 1; Indels

QY 3 RGTKCLRREAPR 14
   |||||::||
   |||||::||
   |||||::||
Db 564 RGTKCLRKKIPR 575

RESULT 12
US-08-429-998-6
/ Sequence 6, Application US/08429998
/ Patent No. 5885961
/ GENERAL INFORMATION:
/ APPLICANT:  Shoyab, Mohammed
/ APPLICANT:  Plozman, Gregory D.
/ TITLE OF INVENTION:  EPITHELINS, NOVEL CYSTEINE-RICH GROWTH
/ TITLE OF INVENTION:  MODULATING PROTEINS
/ NUMBER OF SEQUENCES:  12
/ CORRESPONDENCE ADDRESSES:
/ ADDRESSEE:  Pennie & Edmonds
/ STREET:  1155 Avenue of the Americas
/ CITY:  New York
/ STATE:  New York
/ COUNTRY:  USA
/ ZIP:  10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE:  Floppy disk
/ COMPUTER:  IBM PC compatible
/ OPERATING SYSTEM:  PC-DOS/MS-DOS
/ SOFTWARE:  PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER:  US/08/429,998
/ FILING DATE:  27-APR-1995
/ CLASSIFICATION:  S14
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:  US 07/668,648
/ FILING DATE:  13-MAR-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME:  Misrock, S. Leslie

```


REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-429-998-6

Query Match 71.6%; Score 53; DB 2; Length 589;
Best Local Similarity 75.0%; Pred. No. 0.27;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14
||| ||| : ||
DB 564 RGTKCLRRKIPR 575

RESULT 13
US-08-431-333-6
Sequence 6, Application US/08431333
Patent No. 5965723
GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: Plowman, Gregory D.
TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/431,333
FILING DATE: 27-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-431-333-6

Query Match 71.6%; Score 53; DB 2; Length 589;
Best Local Similarity 75.0%; Pred. No. 0.27;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14
||| ||| : ||
DB 564 RGTKCLRRKIPR 575

RESULT 14

US-08-991-862-2
Sequence 2, Application US/08991862
Patent No. 6309826
GENERAL INFORMATION:
APPLICANT: Seriero, Ginette
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
FILE REFERENCE: 29996.488/P001-A
CURRENT APPLICATION NUMBER: US/08/991,862
CURRENT FILING DATE: 1998-08-17
EARLIER FILING DATE: 1997-05-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 589
TYPE: PRT
ORGANISM: Mouse epithelin/granulin
US-08-991-862-2

Query Match 71.6%; Score 53; DB 4; Length 589;
Best Local Similarity 75.0%; Pred. No. 0.27;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14
||| ||| : ||
DB 564 RGTKCLRRKIPR 575

RESULT 15

US-09-813-156-2
Sequence 2, Application US/09813156
Patent No. 6670183
GENERAL INFORMATION:
APPLICANT: Seriero, Ginette
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
FILE REFERENCE: 29996.488/P001-A
CURRENT APPLICATION NUMBER: US/09/813,156
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 08/991,862
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 08/863,862
PRIOR FILING DATE: 1997-05-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 589
TYPE: PRT
ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match 71.6%; Score 53; DB 4; Length 589;
Best Local Similarity 75.0%; Pred. No. 0.27;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14
||| ||| : ||
DB 564 RGTKCLRRKIPR 575

Search completed: March 26, 2004, 12:29:51
Job time : 12.4872 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 11.4872 Seconds
(without alignments)
62.919 Million cell updates/sec

Title: US-09-824-647-5

Perfect score: 73

Sequence: 1 SARGTKLRKKIPR 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pdp.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pdp.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pdp.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pdp.*
5: /cgn2_6/ptodata/2/iaa/PTUS COMB.pdp.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pdp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	73	100.0	14	4	US-08-991-862-5
2	73	100.0	14	4	US-09-813-156-5
3	73	100.0	589	1	US-07-668-648-6
4	73	100.0	589	2	US-08-429-998-6
5	73	100.0	589	2	US-08-431-333-6
6	73	100.0	589	4	US-08-991-862-2
7	73	100.0	589	4	US-09-813-156-2
8	73	100.0	589	5	PCT-US91-02321-6
9	65	89.0	589	1	US-07-668-648-2
10	65	89.0	589	2	US-08-429-998-2
11	65	89.0	589	2	US-08-431-333-2
12	65	89.0	589	5	PCT-US91-02321-2
13	58	79.5	593	1	US-07-668-648-4
14	58	79.5	593	2	US-08-429-998-4
15	58	79.5	593	2	US-08-431-333-4
16	58	79.5	593	5	PCT-US91-02321-4
17	53	72.6	14	4	US-08-991-862-7
18	53	72.6	14	4	US-09-813-156-7
19	53	72.6	593	4	US-08-991-862-17
20	53	72.6	593	4	US-09-813-156-17
21	42	57.5	490	4	US-05-252-991A-16991
22	40	54.8	278	4	US-03-724-864-52
23	39	53.4	29	4	US-09-636-399A-15
24	39	53.4	30	4	US-09-636-399A-16
25	39	53.4	30	4	US-09-636-399A-72
26	39	53.4	31	4	US-09-636-399A-70
27	39	53.4	31	4	US-09-636-399A-71

28	39	53.4	32	4	US-09-636-399A-68	Sequence 68, Appl
29	39	53.4	32	4	US-09-636-399A-69	Sequence 69, Appl
30	39	53.4	33	4	US-09-636-399A-66	Sequence 66, Appl
31	39	53.4	33	4	US-09-636-399A-67	Sequence 67, Appl
32	39	53.4	34	4	US-09-636-399A-64	Sequence 64, Appl
33	39	53.4	34	4	US-09-636-399A-65	Sequence 65, Appl
34	39	53.4	35	4	US-09-636-399A-62	Sequence 62, Appl
35	39	53.4	35	4	US-09-636-399A-63	Sequence 63, Appl
36	39	53.4	36	4	US-09-636-399A-60	Sequence 60, Appl
37	39	53.4	36	4	US-09-636-399A-61	Sequence 61, Appl
38	39	53.4	37	4	US-09-636-399A-58	Sequence 58, Appl
39	39	53.4	37	4	US-09-636-399A-59	Sequence 59, Appl
40	39	53.4	38	4	US-09-636-399A-56	Sequence 56, Appl
41	39	53.4	38	4	US-09-636-399A-57	Sequence 57, Appl
42	39	53.4	39	4	US-09-636-399A-54	Sequence 54, Appl
43	39	53.4	39	4	US-09-636-399A-55	Sequence 55, Appl
44	39	53.4	40	4	US-09-636-399A-52	Sequence 52, Appl
45	39	53.4	40	4	US-09-636-399A-53	Sequence 53, Appl

ALIGNMENTS

RESULT 1

US-08-991-862-5

; Sequence 5, Application US/08991862

; Patent No. 6309826

; GENERAL INFORMATION:

; APPLICANT: Serrero, Ginette

; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A

; CURRENT APPLICATION NUMBER: US/08/991,862

; CURRENT FILING DATE: 1998-08-17

; EARLIER APPLICATION NUMBER: 08/863,862

; EARLIER FILING DATE: 1997-05-23

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 5

; LENGTH: 14

; TYPE: PRT

; ORGANISM: mouse granuln

; FEATURE:

; NAME/KEY: PEPTIDE

; LOCATION: (1)...(14)

; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the

; OTHER INFORMATION: antisera against the GP88 used in the

; OTHER INFORMATION: immunoaffinity step.

US-08-991-862-5

Query Match 100.0%; Score 73; DB 4; Length 14;

Best Local Similarity 100.0%; Pred. No. 3.1e-06;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKLRKKIPR 14

DB 1 SARGTKLRKKIPR 14

RESULT 2

US-09-813-156-5

; Sequence 5, Application US/09813156

; Patent No. 6670183

; GENERAL INFORMATION:

; APPLICANT: Serrero, Ginette

; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A

; CURRENT APPLICATION NUMBER: US/09/813,156

; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 08/991,862

; PRIOR FILING DATE: 1997-12-16

; PRIOR APPLICATION NUMBER: 08/863,862

; PRIOR FILING DATE: 1997-05-23

; NUMBER OF SEQ ID NOS: 17

```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-5

```

```

Query Match          100.0%; Score 73; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.1e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 SARGTKCLRKKIPR 14
      |||||
Db      1 SARGTKCLRKKIPR 14

```

```

RESULT 3
US-07-668-648-6
; Sequence 6, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819

```

```

; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-6

```

```

Query Match          100.0%; Score 73; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 SARGTKCLRKKIPR 14
      |||||
Db      562 SARGTKCLRKKIPR 575

```

```

RESULT 4

```

```

US-08-429-998-6
; Sequence 6, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995

```

```

; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999

```

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-6

```

```

Query Match          100.0%; Score 73; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 SARGTKCLRKKIPR 14
      |||||
Db      562 SARGTKCLRKKIPR 575

```

```

RESULT 5
US-08-431-333-6
; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/431,333
FILING DATE: 27-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-431-333-6

Query Match 100.0%; Score 73; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 562 SARGTKCLRKKIPR 575

RESULT 8
PCT-US91-02321-6
Sequence 6, Application PC/TUS9102321
GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: Plowman, Gregory D.
TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH
TITLE OF INVENTION: MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bristol-Myers Squibb Company
STREET: 3005 First Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02321
FILING DATE: 19910403
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Poor, Brian W.
REGISTRATION NUMBER: 32,928
REFERENCE/DOCKET NUMBER: ON0071A-PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)728-4800
TELEFAX: (206)448-4775
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US91-02321-6

Query Match 100.0%; Score 73; DB 5; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 562 SARGTKCLRKKIPR 575

RESULT 9
US-07-668-648-2
Sequence 2, Application US/07668648
Patent No. 5416192
GENERAL INFORMATION:

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/431,333
FILING DATE: 27-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-431-333-6

Query Match 100.0%; Score 73; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 562 SARGTKCLRKKIPR 575

RESULT 6
US-08-991-862-2
Sequence 2, Application US/08991862
Patent No. 6309826
GENERAL INFORMATION:
APPLICANT: Seriero, Ginette
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
FILE REFERENCE: Z9996.488/P001-A
CURRENT APPLICATION NUMBER: US/08/991,862
CURRENT FILING DATE: 1998-08-17
EARLIER APPLICATION NUMBER: 08/863,862
EARLIER FILING DATE: 1997-05-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 589
TYPE: PRT
ORGANISM: Mouse epithelin/granulin
US-08-991-862-2

Query Match 100.0%; Score 73; DB 4; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 562 SARGTKCLRKKIPR 575

RESULT 7
US-09-813-156-2
Sequence 2, Application US/09813156
Patent No. 6670183
GENERAL INFORMATION:
APPLICANT: Seriero, Ginette
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
FILE REFERENCE: Z9996.488/P001-A
CURRENT APPLICATION NUMBER: US/09/813,156
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 08/991,862
PRIOR FILING DATE: 1997-12-16

```

; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

```

```

Query Match      89.0%; Score 65; DB 1; Length 589;
Best Local Similarity 85.7%; Pred. No. 0.0022;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 SARGTKCLRKKIPR 14
      ||:|||||
DB      562 SAKGKCLRKKTPR 575

```

```

RESULT 10
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648

```

```

; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-429-998-2
; Query Match      89.0%; Score 65; DB 2; Length 589;
; Best Local Similarity 85.7%; Pred. No. 0.0022;
; Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
;
QY      1 SARGTKCLRKKIPR 14
      ||:|||||
DB      562 SAKGKCLRKKTPR 575

```

```

RESULT 11
US-08-431-333-2
; Sequence 2, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/666,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-431-333-2

```

```

Query Match      89.0%; Score 65; DB 2; Length 589;
Best Local Similarity 85.7%; Pred. No. 0.0022;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

Fri Mar 26 17:57:10 2004

QY 1 SARGTKCLRKKIPR 14
||:|||||||
DB 562 SARGTKCLRKKTPR 575

RESULT 12
PCT-US91-02321-2
; Sequence 2, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US91-02321-2

Query Match 89.0%; Score 65; DB 5; Length 589;
Best Local Similarity 85.7%; Pred. No. 0.0022;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
||:|||||||
DB 562 SARGTKCLRKKTPR 575

RESULT 13
US-07-668-648-4
; Sequence 4, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-4

Query Match 79.5%; Score 58; DB 1; Length 593;
Best Local Similarity 71.4%; Pred. No. 0.036;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
||:|||||||
DB 566 AARGTKCLREAPR 579

RESULT 14
US-08-429-998-4
; Sequence 4, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-429-998-4

Query Match 79.5%; Score 58; DB 2; Length 593;
Best Local Similarity 71.4%; Pred. No. 0.036;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
:|||||:|
Db 566 AARGTKCLRREAPR 579

RESULT 15

US-08-431-333-4
; Sequence 4, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FacetIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-431-333-4

Query Match 79.5%; Score 58; DB 2; Length 593;
Best Local Similarity 71.4%; Pred. No. 0.036;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
:|||||:|
Db 566 AARGTKCLRREAPR 579

Search completed: March 26, 2004, 12:29:49
Job time : 11.4872 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 9.84615 Seconds
(without alignments)
62.919 Million cell updates/sec

Title: US-09-824-647-4
Perfect score: 69
Sequence: 1 PDAKTCPPDST 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/2/iaa/5A-COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B-COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A-COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B-COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS-COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	69	100.0	12	4	US-09-991-862-4
2	69	100.0	12	4	US-09-813-156-4
3	69	100.0	589	1	US-07-668-648-2
4	69	100.0	589	1	US-07-668-648-6
5	69	100.0	589	2	US-08-429-998-2
6	69	100.0	589	2	US-08-429-998-6
7	69	100.0	589	2	US-08-431-333-2
8	69	100.0	589	2	US-08-431-333-6
9	69	100.0	589	4	US-09-991-862-2
10	69	100.0	589	4	US-09-813-156-2
11	69	100.0	589	5	PCT-US91-02321-2
12	69	100.0	589	5	PCT-US91-02321-6
13	51	73.9	593	1	US-07-668-648-4
14	51	73.9	593	2	US-08-429-998-4
15	51	73.9	593	2	US-08-431-333-4
16	51	73.9	593	4	US-09-991-862-17
17	51	73.9	593	4	US-09-813-156-17
18	51	73.9	593	5	PCT-US91-02321-4
19	40	58.0	268	4	US-09-489-039A-8094
20	38	55.1	343	1	US-08-336-891-2
21	38	55.1	343	5	PCT-US95-13795-4
22	37	53.6	179	1	US-07-668-648-8
23	37	53.6	179	2	US-08-429-998-8
24	37	53.6	179	2	US-08-431-333-8
25	37	53.6	179	5	PCT-US91-02321-8
26	36	52.2	197	4	US-09-480-297A-23
27	36	52.2	197	4	US-09-747-259-4

28	36	52.2	197	4	US-09-816-744-4	Sequence 4, Appli
29	36	52.2	399	4	US-09-252-991A-31028	Sequence 31028, A
30	36	52.2	452	4	US-09-463-712C-8	Sequence 8, Appli
31	36	52.2	452	4	US-09-865-415-6	Sequence 6, Appli
32	36	52.2	561	3	US-09-233-989-5	Sequence 5, Appli
33	36	52.2	1040	4	US-09-564-805-238	Sequence 238, App
34	36	52.2	1480	3	US-09-191-647-7	Sequence 7, Appli
35	36	52.2	1480	3	US-09-540-245A-7	Sequence 7, Appli
36	36	52.2	1480	3	US-09-540-153-7	Sequence 5, Appli
37	36	52.2	1480	4	US-09-182-024A-5	Sequence 2, Appli
38	36	52.2	1480	5	PCT-US91-09053-2	Sequence 220, App
39	35.5	51.4	35	1	US-08-130-802A-220	Sequence 220, App
40	35.5	51.4	35	3	US-08-477-346-220	Sequence 220, App
41	35.5	51.4	35	4	US-08-473-089-220	Sequence 220, App
42	35.5	51.4	35	4	US-08-487-072A-220	Sequence 220, App
43	35.5	51.4	216	4	US-09-543-681A-5719	Sequence 5719, Ap
44	35.5	51.4	223	4	US-09-489-039A-8078	Sequence 8078, Ap
45	35.5	51.4	488	1	US-08-130-802A-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-08-991-862-4
; Sequence 4, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991.862
; EARLIER FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863.862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antiserum against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-08-991-862-4

Query Match 100.0%; Score 69; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDST 12
DB 1 PDAKTCPPDST 12

RESULT 2
US-09-813-156-4
; Sequence 4, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813.156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991.862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863.862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17


```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
; US-09-813-156-4

Query Match          100.0%; Score 69; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 1 PDAKTQCPDDST 12

RESULT 3
US-07-668-648-2
; Sequence 2, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

Query Match          100.0%; Score 69; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 4
US-07-668-648-2
; Sequence 2, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

Query Match          100.0%; Score 69; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 5
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
```

```

US-07-668-648-6
; Sequence 6, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-6

Query Match          100.0%; Score 69; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 5
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
```

;; FILING DATE: 27-APR-1995
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/668,648
;; FILING DATE: 13-MAR-1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mistrock, S. Leslie
;; REGISTRATION NUMBER: 18,872
;; REFERENCE/DOCKET NUMBER: 5624-161-999
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212)790-9090
;; TELEFAX: (212) 869-9741
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 589 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-429-998-2

Query Match 100.0%; Score 69; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
|||
Db 208 PDAKTQCPDDST 219

RESULT 6
US-08-429-998-6
; Sequence 6, Application US/08429998
; Patent No. 5855961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-6

Query Match 100.0%; Score 69; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
|||
Db 208 PDAKTQCPDDST 219

RESULT 7
US-08-431-333-2
; Sequence 2, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-431-333-2

Query Match 100.0%; Score 69; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
|||
Db 208 PDAKTQCPDDST 219

RESULT 8
US-08-431-333-6
; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:


```
/ ADDRESSEE: Pennie & Edmonds
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION NUMBER: US/08/431,333
/ APPLICATION NUMBER: US/08/431,333
/ FILING DATE: 27-APR-1995
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/668,648
/ FILING DATE: 13-MAR-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Misrock, S. Leslie
/ REGISTRATION NUMBER: 18,872
/ REFERENCE/DOCKET NUMBER: 5624-161-999
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212)790-9090
/ TELEFAX: (212) 869-9741
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 589 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-431-333-6

Query Match 100.0%; Score 69; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 9
US-08-991-862-2
/ Sequence 2, Application US/08991862
/ Patent No. 6309826
/ GENERAL INFORMATION:
/ APPLICANT: Sertero, Ginette
/ TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
/ FILE REFERENCE: Z9996 488/P001-A
/ CURRENT APPLICATION NUMBER: US/08/991,862
/ CURRENT FILING DATE: 1998-08-17
/ EARLIER APPLICATION NUMBER: 08/863,862
/ EARLIER FILING DATE: 1997-05-23
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 589
/ TYPE: PRT
/ ORGANISM: Mouse epithelin/granulin
/ US-08-991-862-2

Query Match 100.0%; Score 69; DB 4; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 10
US-08-813-156-2
```

```
/ Sequence 2, Application US/09813156
/ Patent No. 6670183
/ GENERAL INFORMATION:
/ APPLICANT: Sertero, Ginette
/ TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
/ FILE REFERENCE: Z9996 488/P001-A
/ CURRENT APPLICATION NUMBER: US/09/813,156
/ CURRENT FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 08/991,862
/ PRIOR FILING DATE: 1997-12-16
/ PRIOR APPLICATION NUMBER: 08/863,862
/ PRIOR FILING DATE: 1997-05-23
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 589
/ TYPE: PRT
/ ORGANISM: Mouse epithelin/granulin
/ US-09-813-156-2

Query Match 100.0%; Score 69; DB 4; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
Db 208 PDAKTQCPDDST 219

RESULT 11
PCT-US91-02321-2
/ Sequence 2, Application PC/TUS9102321
/ GENERAL INFORMATION:
/ APPLICANT: Shoyab, Mohammed
/ APPLICANT: Plozman, Gregory D.
/ TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
/ TITLE OF INVENTION: MODULATING PROTEINS
/ NUMBER OF SEQUENCES: 12
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Bristol-Myers Squibb Company
/ STREET: 3005 First Avenue
/ CITY: Seattle
/ STATE: Washington
/ COUNTRY: USA
/ ZIP: 98121
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US91/02321
/ FILING DATE: 19910403
/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Poor, Brian W.
/ REGISTRATION NUMBER: 32,928
/ REFERENCE/DOCKET NUMBER: ON0071A-PC
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206)728-4800
/ TELEFAX: (206)448-4775
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 589 amino acids
/ TYPE: AMINO ACID
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ PCT-US91-02321-2

Query Match 100.0%; Score 69; DB 5; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 PDAKTQCPDDST 12
|||||
Db 208 PDAKTQCPDDST 219

RESULT 12
PCT-US91-02321-6
; Sequence 6, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Shoyab, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US91-02321-6

Query Match 100.0%; Score 69; DB 5; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
|||||
Db 208 PDAKTQCPDDST 219

RESULT 13
US-07-668-648-4
; Sequence 4, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Shoyab, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-4

Query Match 73.9%; Score 51; DB 1; Length 593;
Best Local Similarity 66.7%; Pred. No. 1.1;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
|||||
Db 209 PDARSRCPDGST 220

RESULT 14
US-08-429-998-4
; Sequence 4, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-429-998-4

Query Match 73.9%; Score 51; DB 2; Length 593;
 Best Local Similarity 66.7%; Pred. No. 1.1;
 Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PDAKTCPPDDST 12
 |||:||||
 Db 209 PDARSRCPDGST 220

RESULT 15

US-08-431-333-4
 ; Sequence 4, Application US/08431333
 ; Patent No. 5965723
 ; GENERAL INFORMATION:
 ; APPLICANT: Shoyab, Mohammed
 ; APPLICANT: Plozman, Gregory D.
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
 ; TITLE OF INVENTION: MODULATING PROTEINS
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pernie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA: US/08/431.333
 ; APPLICATION NUMBER: US/08/431.333
 ; FILING DATE: 27-APR-1995
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/668,648
 ; FILING DATE: 13-MAR-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Mirock, S. Leslie
 ; REGISTRATION NUMBER: 18,872
 ; REFERENCE/DOCKET NUMBER: 5624-161-999
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)790-9090
 ; TELEFAX: (212) 869-9741
 ; INFORMATION FOR SEQ ID NO. 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 593 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-431-333-4

Query Match 73.9%; Score 51; DB 2; Length 593;
 Best Local Similarity 66.7%; Pred. No. 1.1;
 Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PDAKTCPPDDST 12
 |||:||||
 Db 209 PDARSRCPDGST 220

Search completed: March 26, 2004, 12:29:49
 Job time: 10.8462 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 15.5897 Seconds
(without alignments)
62.919 Million cell updates/sec

Title: US-09-824-647-3
Perfect score: 96
Sequence: 1 KKVIAAPRLPDPQILKSDT 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/2/iaa/5A COMB.pep:*
2: /cgn2_6/prodata/2/iaa/5B COMB.pep:*
3: /cgn2_6/prodata/2/iaa/6A COMB.pep:*
4: /cgn2_6/prodata/2/iaa/6B COMB.pep:*
5: /cgn2_6/prodata/2/iaa/PCTUS COMB.pep:*
6: /cgn2_6/prodata/2/iaa/backfiles.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	96	100.0	19	4	US-08-991-862-3
2	96	100.0	19	4	US-09-813-156-3
3	96	100.0	589	1	US-07-668-648-6
4	96	100.0	589	2	US-08-429-998-6
5	96	100.0	589	2	US-08-431-333-6
6	96	100.0	589	5	PCT-US91-02321-6
7	89	92.7	589	4	US-08-991-862-2
8	89	92.7	589	4	US-09-813-156-2
9	62	64.6	589	1	US-07-668-648-2
10	62	64.6	589	2	US-08-429-998-2
11	62	64.6	589	2	US-08-431-333-2
12	62	64.6	589	5	PCT-US91-02321-2
13	47	49.0	92	4	US-09-800-971-11
14	44.5	46.4	277	4	US-09-252-991A-28167
15	44	45.8	19	4	US-08-991-862-6
16	44	45.8	19	4	US-09-813-156-6
17	44	45.8	593	1	US-07-668-648-4
18	44	45.8	593	2	US-08-429-998-4
19	44	45.8	593	2	US-08-431-333-4
20	44	45.8	593	4	US-08-991-862-17
21	44	45.8	593	4	US-09-813-156-17
22	44	45.8	593	5	PCT-US91-02321-4
23	42	43.8	416	4	US-08-430-921-13
24	42	43.8	505	4	US-08-505-377-1
25	42	43.8	556	2	US-08-798-269-1
26	42	43.8	556	3	US-08-798-269-1
27	42	43.8	556	4	US-09-055-210-1

28	42	43.8	556	4	US-09-298-924-8	Sequence 8, Appli
29	42	43.8	820	2	US-08-380-182-23	Sequence 23, Appli
30	42	43.8	835	4	US-09-489-039A-8740	Sequence 8740, Ap
31	41.5	43.2	485	4	US-09-252-991A-17170	Sequence 17170, A
32	41	42.7	273	4	US-09-252-991A-32405	Sequence 32405, A
33	41	42.7	381	4	US-09-252-991A-28320	Sequence 28320, A
34	41	42.7	793	4	US-09-533-029-48	Sequence 48, Appli
35	41	42.7	803	2	US-08-907-166-4	Sequence 4, Appli
36	41	42.7	803	4	US-09-391-340-4	Sequence 4, Appli
37	40	41.7	304	4	US-09-107-532A-7162	Sequence 7162, Ap
38	40	41.7	335	4	US-09-152-060-64	Sequence 64, Appli
39	40	41.7	480	4	US-09-252-991A-23424	Sequence 23424, A
40	40	41.7	572	4	US-09-252-991A-23996	Sequence 23996, A
41	40	41.7	860	4	US-09-252-991A-28607	Sequence 28607, A
42	39	40.6	134	4	US-09-252-991A-16588	Sequence 16588, A
43	39	40.6	138	4	US-09-252-991A-27704	Sequence 27704, A
44	39	40.6	325	4	US-09-252-991A-32561	Sequence 32561, A
45	39	40.6	369	4	US-09-252-991A-27583	Sequence 27583, A

ALIGNMENTS

RESULT 1
US-08-991-862-3
; Sequence 3, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991.862
; EARLIER FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863.862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granuln
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-08-991-862-3

Query Match 100.0%; Score 96; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.8e-09; Mismatches 0; Gaps 0;
Matches 19; Conservative 0;

QY 1 KKVIAAPRLPDPQILKSDT 19
DB 1 KKVIAAPRLPDPQILKSDT 19

RESULT 2
US-09-813-156-3
; Sequence 3, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813.156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991.862
; PRIOR FILING DATE: 1997-12-15
; PRIOR APPLICATION NUMBER: 08/863.862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17

SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/431,333
 FILING DATE: 27-APR-1995
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/668,648
 FILING DATE: 13-MAR-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 5624-161-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)790-9090
 TELEFAX: (212) 969-9741
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 589 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-431-333-6

Query Match 100.0%; Score 96; DB 2; Length 589;
 Best Local Similarity 100.0%; Pred. No. 9.2e-08;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
 DB 344 KKVIAPRRRLPDPOILKSDT 362

RESULT 6
 PCT-US91-02321-6
 ; Sequence 6, Application PC/TUS9102321
 ; GENERAL INFORMATION:
 ; APPLICANT: Shoyab, Mohammed
 ; APPLICANT: Plowman, Gregory D.
 ; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
 ; TITLE OF INVENTION: MODULATING PROTEINS
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Bristol-Myers Squibb Company
 ; STREET: 3005 First Avenue
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA
 ; ZIP: 98121
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US91/02321
 ; FILING DATE: 19910403
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Poor, Brian W.
 ; REGISTRATION NUMBER: 32,928
 ; REFERENCE/DOCKET NUMBER: ON0071A-PC
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206)728-4800
 ; TELEFAX: (206)448-4775
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 589 amino acids
 ; TYPE: AMINO ACID
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 PCT-US91-02321-6

Query Match 100.0%; Score 96; DB 5; Length 589;

Best Local Similarity 100.0%; Pred. No. 9.2e-08;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 KKVIAPRRRLPDPOILKSDT 19
 DB 344 KKVIAPRRRLPDPOILKSDT 362

RESULT 7
 US-08-991-862-2
 ; Sequence 2, Application US/08991862
 ; Patent No. 6309826
 ; GENERAL INFORMATION:
 ; APPLICANT: Serrero, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: 29996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/08/991,862
 ; CURRENT FILING DATE: 1998-08-17
 ; EARLIER APPLICATION NUMBER: 08/863,862
 ; EARLIER FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 589
 ; TYPE: PRT
 ; ORGANISM: Mouse epithelin/granulin
 US-08-991-862-2

Query Match 92.7%; Score 89; DB 4; Length 589;
 Best Local Similarity 94.7%; Pred. No. 1.3e-06;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
 DB 344 KKVIAPRRRLPDPOILKSDT 362

RESULT 8
 US-09-813-156-2
 ; Sequence 2, Application US/09813156
 ; Patent No. 6670183
 ; GENERAL INFORMATION:
 ; APPLICANT: Serrero, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: 29996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/09/813,156
 ; CURRENT FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 08/991,862
 ; PRIOR FILING DATE: 1997-12-16
 ; PRIOR APPLICATION NUMBER: 08/863,862
 ; PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 589
 ; TYPE: PRT
 ; ORGANISM: Mouse epithelin/granulin
 US-09-813-156-2

Query Match 92.7%; Score 89; DB 4; Length 589;
 Best Local Similarity 94.7%; Pred. No. 1.3e-06;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
 DB 344 KKVIAPRRRLPDPOILKSDT 362

RESULT 9
 US-07-668-648-2
 ; Sequence 2, Application US/07668648
 ; Patent No. 5416192
 ; GENERAL INFORMATION:

Fri Mar 26 17:57:08 2004

APPLICANT: Shoyab, Mohammed
APPLICANT: Plowman, Gregory D.
TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
TITLE OF INVENTION: MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/668,648
FILING DATE: 19910819
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-668-648-2

Query Match 64.6%; Score 62; DB 1; Length 589;
Best Local Similarity 72.2%; Pred. No. 0.037;
Matches 13; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 KKVIAPRRLPDQILKSD 18
Db 344 KKVTAISLSDPDQILKND 361

RESULT 10
US-08-429-998-2
Sequence 2, Application US/08429998
Patent No. 5885961
GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: Plowman, Gregory D.
TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
TITLE OF INVENTION: MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/429,998
FILING DATE: 27-APR-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648

FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-429-998-2

Query Match 64.6%; Score 62; DB 2; Length 589;
Best Local Similarity 72.2%; Pred. No. 0.037;
Matches 13; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 KKVIAPRRLPDQILKSD 18
Db 344 KKVTAISLSDPDQILKND 361

RESULT 11
US-08-431-333-2
Sequence 2, Application US/08431333
Patent No. 5965723
GENERAL INFORMATION:
APPLICANT: Shoyab, Mohammed
APPLICANT: Plowman, Gregory D.
TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
TITLE OF INVENTION: MODULATING PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/431,333
FILING DATE: 27-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-431-333-2

Query Match 64.6%; Score 62; DB 2; Length 589;
Best Local Similarity 72.2%; Pred. No. 0.037;
Matches 13; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Query Match	45.8%	Score 44;	DB 4;	Length 19;
Best Local Similarity	55.6%	Pred. No.	0.68;	

Matches 10; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 1 KKVIAPRRLLDPQILKSD 18
: |||||
Db 1 EKAPAHLSLDPQALARD 18

Search completed: March 26, 2004, 12:29:48
Job time : 15.5897 secs

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	3511	85.6	593	4	US-08-991-863-17	Sequence 17, Appl
2	3511	85.6	593	4	US-09-813-156-17	Sequence 17, Appl
3	3472	84.6	593	1	US-07-668-648-4	Sequence 4, Appl
4	3472	84.6	593	2	US-08-429-998-4	Sequence 4, Appl
5	3472	84.6	593	2	US-08-431-333-4	Sequence 4, Appl
6	3472	84.6	593	5	PCT-US91-02321-4	Sequence 4, Appl
7	2696	65.7	589	1	US-07-668-648-2	Sequence 2, Appl
8	2696	65.7	589	2	US-08-429-998-2	Sequence 2, Appl
9	2696	65.7	589	2	US-08-431-333-2	Sequence 2, Appl
10	2696	65.7	589	5	PCT-US91-02321-2	Sequence 2, Appl
11	2693	65.6	589	1	US-07-668-648-6	Sequence 6, Appl
12	2693	65.6	589	2	US-08-429-998-6	Sequence 6, Appl

Db 21 ProAspGlycInPheCysProValAlaCysCysLeuAspProGlycValAlaSerTyrSer 40
 QY 133 TGTGCGCGTCCCTCTGGAACAATGCGCACAACTGAGCAGGAGTCTGCGTCCGCC 192
 Db 41 CysCysArgProLeuLeuAspLysTyrProThrThrLeuSerArgHisLeuGlyPro 60
 QY 193 TGCAGAGTGAATCCCACTGCTCTGCGGCGCATCTGATCTTACCTCTCAGGAGCT 252
 Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysAlaPheThrValSerGlyThr 80
 QY 253 TCCAGTGTGCGCCCTCCAGAGCGCGTGGCATGGGATGGCCATCACTGCTGCCCA 312
 Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro 100
 QY 313 CGGGCTTCCATCCATGCTGAGCAGCGGCGATCTGCTTCCAAAGATCAGGTAACACTCC 372
 Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120
 QY 373 GTGGTGCCCATCCAGTCCCTGATAGTCAGTTCGAATGCCGAGCTCTCCAGTCTGT 432
 Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
 QY 433 GTTATGCTGATGCTCTGCGGCGTCTGCCCATGCCAGCTTCTCTGCTGTGAAGAC 492
 Db 141 ValMetValAspGlySerTyrPglyCysCysProMetProGlnAlaSerCysCysGluAsp 160
 QY 493 AGGTGCTGCTCTGCGCAGGTGCTCTGCGACCTGCTTCCAGCGCTGCTCATCACA 552
 Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
 QY 553 CCCACGGGACCCACCCCTCGGCAAGAAGCTCTCTGCCAGAGGACTAACAGGCGAGTG 612
 Db 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200
 QY 613 GCCTTGCTCAGCTCGTCAATGTGCGGACGCGAGCTCCGCGTCCGCTGATGCTTACC 672
 Db 201 AlaLeuSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
 QY 673 TGCTGTGAGTCCCGAGTGGGAAGTATGCTGCTGCCCAATGCCCAACGCGCACCTGCTGC 732
 Db 221 CysCysGluLeuProSerGlyLysTyrGlyCysCysProMetProAsnAlaThrCysCys 240
 QY 733 TCGATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
 Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260
 QY 793 CTCTCCAGGAGAGCTGCTACACGAGCTCTCTCACTAGCTGCTGCGCACACAGTGGC 852
 Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
 QY 853 GATGTGAATGTGACATGAGTGAAGTGGTGGCCAGATGGCTATACCTGCTGCTGCTGCTGCT 912
 Db 281 AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln 300
 QY 913 TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
 Db 301 SerGlyAlaIlePglyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
 QY 973 TGTCTGCCCGGGGTTCATGCTGTGACACGACAGAGGCTACTGTGACAGGGGCCCGAC 1032
 Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
 QY 1033 CAGGTGCTGCTGAGAGAGCGCCAGCTCAGCTCAGCTGCGGAGCCACACAGCTTG 1092
 Db 341 GlnValProTyrMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
 QY 1093 AAGAGAGATGCTCCCTGTGATTAATGTACAGAGCTGCTCTCTCCGATACCTGCTGCGCAA 1152
 Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380
 QY 1153 CTCAGTCTGGGAGTGGGCTGCTGCTCAATCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
 Db 381 LeuThrSerGlyGluTyrPglyCysCysProIleProGluAlaValCysCysSerAspHis 400

QY 1213 CAGCACTGCTGCCCGCCAGCATACACCTGTGTAGTGGGGGAGTGTCTCAGCAGGAGAC 1272
 Db 401 GlnHisCysCysProGlnArgTyrThrCysValAlaGluGlnCysGlnArgGlySer 420
 QY 1273 GAGATCGTGGTGGTACGAGAGATGCTGCGCGCGCGTTCCTTATCCCAACCCAGAGA 1332
 Db 421 GluIleValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg 440
 QY 1333 GACATCGGCTGTGACAGACACACAGTGGCCCGGTGGGAGAACCTGCTCCCGAGCCAG 1392
 Db 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyThrCysCysProSerGln 460
 QY 1393 GGTGGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
 Db 461 GlyGlySerTyrAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
 QY 1453 TGCTGCCCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
 Db 481 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
 QY 1513 TCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
 Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
 QY 1573 TGTGGGAGGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
 Db 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540
 QY 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
 Db 541 TrpAlaCysCysProTyrAlaGlnGlyValCysCysAlaAspArgHisCysCysPro 560
 QY 1693 GGTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1752
 Db 561 AlaGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgArgGluAlaProArgTyr 580
 QY 1753 GACGCGCTTGGAGGACCCAGCTGCTGAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1791
 Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593

RESULT 2

US-09-813-156-17
 ; Sequence 17, Application US/09813156
 ; Patent No. 6670183
 ; GENERAL INFORMATION:
 ; APPLICANT: Serrero, Ginette
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
 ; FILE REFERENCE: Z9996.488/P001-A
 ; CURRENT APPLICATION NUMBER: US/09/813.156
 ; CURRENT FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 08/991.862
 ; PRIOR FILING DATE: 1997-12-16
 ; PRIOR APPLICATION NUMBER: 08/863.862
 ; PRIOR FILING DATE: 1997-05-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 17
 ; LENGTH: 593
 ; TYPE: PRT
 ; ORGANISM: Human GP88 cDNA
 US-09-813-156-17

Alignment Scores:
 Pred. No.: 2,08e-219 Length: 593
 Score: 3511.00 Matches: 593
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 85.57% Indels: 0
 DB: 4 Gaps: 0

US-09-824-647-16 (1-2095) x US-09-813-156-17 (1-593)

Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
 QY 1453 TGTGTCGGCGCTGGTACCTCAAGTGAAGCTCGATCCCTCGAGAGGAAGTGGTC 1512
 Db 481 CysCysProAlaGlyTrpThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
 QY 1513 TGTGCCAGCTGCCACCTTCCTGGCCGCTGAGCCCTCAAGTGGTGTGAAGACGTGGAG 1572
 Db 501 SerAlaGlnProAlaThrPheLeuAlaAlaArgSerProHisValGlyValLysAspValGlu 520
 QY 1573 TGTGGGAGAGACACTCTCCCATGATACACAGACCTGTGCGGAGACACACAGAGGC 1632
 Db 521 CysGlyGlnGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540
 QY 1633 TGGGCTGTCTGCTCCCTACGCCAGCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTCTCT 1692
 Db 541 TrpAlaCysCysProTrpArgGlnGlyValCysCysAlaAspArgArgHisCysCysPro 560
 QY 1693 GCTGGCTTCGCTCGCAGCAGCGGGTACCAAGTGTGTGCGAGGAGGCCCGCGCTG 1752
 Db 561 AlaGlyPheArgCysAlaAlaAlaArgGlyThrLysCysLeuArgArgGluAlaProArgTrp 580
 QY 1753 GACGCCCTTTAGGGAGCCAGCCTTGAGACAGCTGCTG 1791
 Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593

RESULT 5

US-08-431-333-4

; Sequence 4, Application US/08431333

; Patent No. 5965723

; GENERAL INFORMATION:

; APPLICANT: Shovab, Mohammed

; APPLICANT: Plowman, Gregory D.

; TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH

; TITLE OF INVENTION: MODULATING PROTEINS

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.25

; CURRENT APPLICATION DATA: US/08/431,333

; APPLICATION NUMBER: US/08/431,333

; FILING DATE: 27-APR-1995

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/668,648

; FILING DATE: 13-MAR-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Mistrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-161-999

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-9741

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 593 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-431-333-4

Alignment Scores:

6.92e-217

Length:

593

Pred. No.:

Score: 3472.00 Matches: 587

Percent Similarity: 98.99% Conservative: 0

Best Local Similarity: 98.99% Mismatches: 6

Query Match: 84.62% Indels: 0

DB: 2 Gaps: 0

US-09-824-647-16 (1-2095) x US-08-431-333-4 (1-593)

QY 13 ATGTGGACCTTGTGAGCTGGTGGTCTTAACAGCAGGGCTGGTGGTGAACGCGGTGC 72
 Db 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20
 QY 73 CCAGATGTGTAGTTCCTGCTGCTGTGCTGACCCCGGAGGAGGAGCAGTACAGC 132
 Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTrpSer 40
 QY 133 TGCTGGCTCCCTTCTGGCAATGGCCACACACTGACAGGCACTCTGGTGGGCCCC 192
 Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
 QY 193 TGCCAGGTGTGATGCCACTGTCTGCGGGCCACTCTCTGTCATCTTTACCGTCTCAGGGA 252
 Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysLysPheThrValSerGlyThr 80
 QY 253 TCCAGTTGCTGCTCCCTTCCAGAGCCGTGCGATGCGGGATGCGCATCACTGCTGCCCA 312
 Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisHisCysCysPro 100
 QY 313 CGGGGCTTCCACTGCAGTGCAGAGCGGGCGATCTCTGCTTCCAAAGATCAGGTAAACA 372
 Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnSer 120
 QY 373 GTGGTGCCATCCAGTGCCTGTAGTCAAGTTCGAATGCCCGGACTTCTCAGCTGCTGT 432
 Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
 QY 433 GTTATGTCTGATGGCTCTCTGCGGGTCTGCCCGGATGCCCGGCTTCTGTGTGAAC 492
 Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
 QY 493 AGGTGCTACTGCTGTCCGACCGGTGCTTCTGCGACCTGTGGTTCACACCGCTGCTACA 552
 Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
 QY 553 CCACGGGACCCACCCCTGCGAAGAGCTCCCTGCGCCAGAGACTAAACAGGGCAGTG 612
 Db 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200
 QY 613 GCCTTGTCCAGCTCGTCAATGTCCGAGCGCAGCTCCCGGTGCGCTGCTGTGCTTCTACC 672
 Db 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
 QY 673 TGCTGTGAGTCCCGCAGTGGGAGTATGGCTGCTGCCAATGCCCAACGCCACCTGCTGC 732
 Db 221 CysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsnAlaThrCysCys 240
 QY 733 TCCGATCACCTGCTGCTGCCCCCAAGACACTGTGTGTGACCTGATCCAGAGTAAAGTGC 792
 Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260
 QY 793 CTCTCCAGAGAACGCTACACAGGACCTCTCACTAGCTGCTGCGCAGCAGCTGGGC 852
 Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
 QY 853 GATGTGAAATGTGACATGAGGTGAGCTGCCAGATGGCTATACCTGCTGCCGTCTACAG 912
 Db 281 AspValLysCysAspMetGluValSerCysProAspGlyTrpThrCysCysArgLeuGln 300
 QY 913 TCGGGGCGCTGGGCTGCTGCCCTTTTACCAGGCTGTGTGTGTGTGTGTGTGTGTGTGT 972
 Db 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
 QY 973 TGCTGTCCCGCGGGGTTTACGTGTGACAGCAGAGGGGTACCTGTGTGAACAGGGGCCCC 1032

253 TCAGTGTGTCCTCCAGAGCGCTGGCATCGGGATGGCCATCACTGCTGCCCA 312
 Db SerSerCysCysProPheSerGluGlyValSerCysAspGlyGlnHisCysCysPro 100
 313 CGGGGCTTCCACTGACGATCAGACGGCGCATCTGCTTCCAAAGATCAGGTAACTCC 372
 Db ArgGlyPheHisCysSerAlaAspGlyLysSerCysSerGlnHisSer---AspSerLeu 119
 373 GTGGGTGCCATCCAGTGCCTCATAGTTCAGATGCCCGGACTTCTCCACGTGCTGT 432
 Db LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
 433 GTATGCTGATGCTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492
 Db IleMetIleAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGluAsp 159
 493 AGGGTGCATGCTGCTCCGACCGGTGCTTCTCGACCTGCTGCTGCTGCTGCTGCTGCT 552
 Db ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysIleSer 179
 553 CCACGGGACACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 612
 Db ProThrGlyThrHisProLeuLeuLysLysPheProAlaGlnArgThrAsnArgAlaVal 199
 613 GCCTTGTCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
 Db AlaPheProPheSerValValCysProAspAlaLysThrGlnCysProAspSerThr 219
 673 TGTGTGAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 732
 Db CysCysGluLeuProThrGlyLysTrpGlyCysCysProMetProAsnAlaIleCysCys 239
 733 TCCGATCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
 Db SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
 793 CTCTCCAAAGAGAACCTACACGGACCTCTCTCACTAAGCTGCTGCTGCTGCTGCTGCTGCT 852
 Db IleSerLysAsp--TyrThrThrAspLeuMetThrLysLeuProGlyTyrProValAsn 278
 853 GATGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 912
 Db GluValLysCysAspLeuGluValSerCysProAspGlyTyrThrCysCysArgLeuAsn 298
 913 TCGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
 Db ThrGlyAlaTrpGlyCysCysProPheThrLysAlaValCysCysGluAspHisLysHis 318
 973 TGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1032
 Db CysCysProAlaGlyPheGlnCysHisThrGluThrGlyThrCysGluLeuGlyValLeu 338
 1033 CAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1092
 Db GluValProTrpMetLysLysValThrAlaSerLeuSerLeuProAspProGlnIleLeu 358
 1093 AAGAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1152
 Db LysAsnAspValProCysAspAspPheSerSerCysProSerAsnAsnThrCysCysArg 378
 1153 CTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
 Db LeuSerSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysLeuAspHis 398
 1213 CAGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1272
 Db GlnHisCysCysProGlnGlyPheLysCysMetAspGlyTyrCysGlnLysGlyAsp 418
 1273 GAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1332
 Db ArgMetValAlaGlyLeuGluLysMetProValArgGlnThrThrLeuLeuGlnHisGly 438
 1333 GACATCGGCTGTGACACGACACACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392

439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
 1393 GGTGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
 Db LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
 1453 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
 Db CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspAlaGly 498
 1513 TCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
 Db SerValGlnProSerMetAspLeuThrPheGlySerLysValGly-----AsnValGlu 516
 1573 TGTGGGAGAGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
 Db CysGlyAlaGlyHisPheCysHisAspAsnGlnSerCysCysLysAspSerGlnGlyGly 536
 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
 Db TrpAlaCysCysProTrpValLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
 1693 GCT 1752
 Db IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysLysThrProArgTrp 576
 1753 GACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1791
 Db AspIleLeuLeuArgAspProAlaProArgProLeuLeu 589

RESULT 8
 US-08-429-998-2
 Sequence 2, Application US/08429998
 Patent No. 5885961
 GENERAL INFORMATION:
 APPLICANT: Shoyab, Mohammed
 APPLICANT: Plaintiff, Gregory D.
 TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
 TITLE OF INVENTION: MODULATING PROTEINS
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/429,998
 FILING DATE: 27-APR-1995
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/668,648
 FILING DATE: 13-MAR-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Mirock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 5624-161-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 589 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein


```

CORRESPONDENCE ADDRESS:
ADDRESS: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/429,998
FILING DATE: 27-APR-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/668,648
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-161-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 589 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-429-998-6

Alignment Scores:
Pred. No.: 1,55e-166 Length: 589
Score: 2693.00 Matches: 441
Percent Similarity: 83.98% Conservatives: 57
Best Local Similarity: 74.37% Mismatches: 91
Query Match: 65.63% Indels: 4
DB: 2 Caps: 3

US-09-824-647-16 (1-2095) x US-08-429-998-6 (1-589)

QY 13 ATGTGGACCTGTGTGAGCTGGGTGGCCCTTAACAGCAGGGCTGGTGTCTGGAAAGCGGTGC 72
DB 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGTGTCAAGTTCTGCCTGTGCCTGTGCCTGTGAGACCCGAGAGCCAGCTACAGC 132
DB 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTyrSer 40
QY 133 TCGTGGCGTCCCTTCGACAAATGCCACACACTGAGCAGGAGCATCTGGTGGCCCC 192
DB 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60
QY 193 TGCAGGTGTGATGCCCACTGTCTGCCGGCCACTCTTCGACATCTTTACCGTCTCAGGACT 252
DB 61 CysGlnThrHisGlyHisCysProAlaGlyTyrSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTGTGTGCCCCCTTCCAGAGCGCGTGCATGCCGGGATGGCCATCACTGCTGCCCA 312
DB 81 SerSerCysCysProPheSerLeuGlyValSerCysGlyAspGlyTyrHisCysCysPro 100
QY 313 CGGGGCTTCCATGCAGTGCAGACGGGGATCTCTGCTTCCAAAGATCAGGTAACTACCTCC 372
DB 101 GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119
QY 373 GTGGGTGCCATCCAGTGGCCCTGATAGTCAGTTCGAATGCCGGACTTCTCCAGTGTCTGT 432
DB 120 LeuGlyValValGlnCysProGlySerGlnPheGlnCysProAspSerAlaThrCysCys 139
QY 433 GTTATGGTGCATGGTCTCTGGGGGTGTGTCGCCCATGCCCCAGCGGTCTCTGTGAAGAC 192
DB 192

```

QY	313	CGGGGTTCCATGTCAGTGCAGAGGGCGATCTCTGTTCCAAAGATCAGGTAAACAACCTCC	372
Db	101	GlnclyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro	119
QY	373	GTGGTGCCATCCATGCGCTGATAGTCAGTTGGAATGCCGAGACTTCCACGTCTCT	432
Db	120	LeuGlyAlaValGlnCysProGlySerGlnPheGlnCysProAspSerAlaThrCysCys	139
QY	433	GTATGGTCATGGTCTCTGGGGGTGCTGCCCATGCCACGGCTTCCTCTCTGTAAGAC	492

140	Db	IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp	159
493	Qy	AGGGTGCACGTGCTCGCAGCGGTGCTTCTCGGACCTGGTTACACCCGGCTGCATCA	552
160	Db	ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer	179
553	Qy	CCACGGGACCCACCCCTCGGCAAGAAGACTCCCTCGCCACAGAGACTAACAGGGCAGTG	612
180	Db	ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnArgAlaVal	199
613	Qy	GCCTTGTCCAGCTCGGTGTCGTGTCGGACGACGCTCCGGTCCCTGATGTTCTTACC	672
200	Db	SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr	219
673	Qy	TGCTGTGAGTGCCTCGGGAAGTAGTGGTGTGTCGCCAATGTCACAGCCACTGCTGC	732
220	Db	CysCysGluLeuProThrGlyLysTrpGlyCysCysProMetProAsnAlaIleCysCys	239
733	Qy	TCCGATCACCTGACCTGCTGCCCCCAAGACACATGTGTGACCTGTATCCAGATTAAGTGC	792
240	Db	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	259
793	Qy	CTCTCCAAGGAGAACGCTACACGGACCTCTCACTAAGTGTGCTGGCACACAGCTGGGC	852
260	Db	LeuSerLys--AsnTyThrThrAspLeuLeuThrLysLeuProGlyTyProValLys	278
853	Qy	GATGTGAATGTGACATGGAGGTGAGCTGCCAGATGGCTATACCTGTCTGCCCTTACAG	912
279	Db	GluValLysCysAspMetGluValSerCysProGlnGlyTyThrCysCysArgLeuAsn	298
913	Qy	TCGGGGCCCTGGGGCTGCTGCCCTTTTACCACGGCTGTGTGTGTGAGACCAATACAC	972
299	Db	ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysGlyAspHisIleHis	318
973	Qy	TGCTGTCCCGGGGTTACGTGTGACACGAGAGGTTACTGTGTGACAGGGGGCCCCAC	1032
319	Db	CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu	338
1033	Qy	CAGTGCCTCGATGGAGAGAGGCCACCGCTCACCTCAGCTGCCAGACCCACAAAGCTTG	1092
339	Db	GlnValProTrpMetLysLysValIleAlaProArgArgLeuProAspProGlnIleLeu	358
1093	Qy	AAGAGAGATGTCCCTGTGATAATGTGACGAGTGTCCCTCTCCGATACCTGCTGCCAA	1152
359	Db	LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys	378
1153	Qy	CTCAGCTGTGGGAGTGGGCTGTGTGCCATCCAGAGGCTGTCTGCTGCTCGGACCAC	1212
379	Db	LeuAsnSerGlyAspTrpGlyCysCysProIleProGlnAlaValCysCysSerAspAsn	398
1213	Qy	CAGCACTGTGCCCCCAGCATACACGTGTGTAGCTGAGGGGAGTGTACGAGGAAGC	1272
399	Db	GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyThrCysGlnLysGlyAsp	418
1273	Qy	GAGATCGTGTGACTGTGAGAGATGCTGTCGCCGCGCGGTTCCTTATCCACCCACAGA	1332
419	Db	ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly	438
1333	Qy	GACATCGCTGTGACACAGCACACAGCTGCCCGTGGCGGAACTGCTGCCGAGCCAG	1392
439	Db	AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu	458
1393	Qy	GGTGGGAGCTGGGCTGCTGCCAGTGTGCCCATGCTGTGCTGCTGAGGATCGCCAGCAC	1452
459	Db	LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis	478
1453	Qy	TGCTGCCCGGTGCTCACCTGCAACGTGAAGCTCGATCCTCGAGAGAGGAGTGTC	1512
479	Db	CysCysProAlaGlyTyThrCysAsnValLysAlaArgThrCysGluLysAspValAsp	498
1513	Qy	TCTGCCCAAGCTGCCACCTTCTCTGGCCGTAGCCCTCACGTGGGTGTGAAGGAGCTGGAG	1572

```

Db      499  PhaileGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
Qy      1573  TG7GGGGAAGGACACTCTGTGCCATGATAACACAGACTGCTGTGGCAGACAAACCGACAGGGC 1632
Db      517  CysGlydLuGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
Qy      1633  TGGGCGTCTGTCCCTACGCCCCAGGGCGTCTGTTGTGCTGATCGGGCGCCACTGCTGTCTCT 1692
Db      537  TrpAlaCysCysProTyLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
Qy      1693  GCTGTGCTTCGCTGCGCACGACGAGGGGTACCAAGTGTTCGCGAGGAGGCGCCGCGCTGG 1752
Db      557  GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArgTyr 576
Qy      1753  GACGCCCTTTGAGGAGCCCGAGCTTGAGACAGCTGCTG 1791
Db      577  AspMetPheLeuArgAspProValProArgProLeuLeu 589

RESULT 13
US-08-431-333-6
; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-431-333-6

Alignment Scores:
Pred. No.: 1.55e-166 Length: 589
Score: 2693.00 Matches: 441
Percent Similarity: 83.98% Conservative: 57
Best Local Similarity: 74.37% Mismatches: 91
Query Match: 65.63% Indels: 4
DB: 2 Gaps: 3

US-09-824-647-16 (1-2095) x US-08-431-333-6 (1-589)
Qy      13  ATGTGAGCCCTGTGTGAGCTGGTGGTCCCTTAACACAGCGGTGTGTGGCTGGAAACCGCGGTGC 72

```

```
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGGTTCAGTCTCTGCTGGCTGCTGCTGCAACCCCGAGGACCCAGCTACAGC 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTrpSer 40
QY 133 TGTGCGCTCCCTCTGGAACAATGGCCACAACACTGAGCAGGATCTGGGTGGCCCC 192
Db 41 CysCysAsnProLeuLeuAspTrpTrpProArgIleThrSerHisLeuAspGlySer 60
QY 193 TGCAGGTTGATGCCCACTCTCTGCGGCCACTCTCTGCATCTTTACCTCTCAGGACT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTrpSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCAGTGTCTGCCCCCTCCAGAGGCGTGGCATGGGGATGGCCATCACTGCTGCCCA 312
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTrpHisCysCysPro 100
QY 313 CGGGCTTCCACTGCAGTCAGACGGCGGATCTCTGCTTCCAAAGATCAGGTAACTCC 372
Db 101 GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer--AspAsnPro 119
QY 373 GTGGGTGCCATCCAGTGCCTGATGATCAGTTCGAATGCCCGACTCTCCAGCTGCT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY 433 GTTATGTCGATGCTCTCTGGGGTGTGCTGCCCATGCCAGGCTTCTCTGTGAAGAC 492
Db 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGluAsp 159
QY 493 AGGTGCACTGCTCTCGCAGCGTCTTGTGCACTGTTGCACTGTTACACCCCTGCATCACA 552
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCCAGGGCACCCCTCCGCAAGAAGCTCTCTCCAGAGGACTAACAGGCGAGTG 612
Db 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnArgAlaVal 199
QY 613 GCCTTGTCACACTCGTCATGTCGAGACGACGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY 673 TGCTGTGAGTGGCCAGTGGGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 732
Db 220 CysCysGluLeuProThrGlyLysGlyCysCysProMetProAsnAlaLysCysCys 239
QY 733 TCCGATCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY 793 CTCTCAAGGAGACGCTACCAAGACCTCTCAAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCT 852
Db 260 LeuSerLys--AsnTrpThrThrAspLeuLeuThrLysLeuProGlyTrpProValLys 278
QY 853 GATGTGAATGTGACATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 912
Db 279 GluValLysCysAspMetGluValSerCysProGluGlyTrpThrCysCysArgLeuAsn 298
QY 913 TCGGGGGCTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
Db 299 ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysGluAspHisIleHis 318
QY 973 TGTGTGCTGGGGGTTTACGTGTGACGCGAGAGGATCTCTGTGAACAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu 338
QY 1033 CAGGTGCTGATGAGAGAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1092
Db 339 GlnValProTrpMetLysLysValIleAlaProArgArgLeuProAspProGlnIleLeu 358
QY 1093 AAGAGAGATGCTCCCTGTGATATGTGACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1152
```

```
Db 359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY 1153 CTACAGTCTGGGAGTGGGCTGCTGCTCAATCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
Db 379 LeuAsnSerGlyAspTrpGlyCysProIleProGluAlaValCysCysSerAspAsn 398
QY 1213 CAGCACTGCTGCCCCCAGCATACACCTGTGTAGTGTAGGGGAGTGTGTAGCGAGGAGC 1272
Db 399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTrpCysGlnLysGlyAsp 418
QY 1273 GAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1332
Db 419 ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrProLeuGlnIleGly 438
QY 1333 GACATCGGCTGTGACCAAGCACACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392
Db 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY 1393 GGTGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
Db 459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
QY 1453 TGCTGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
Db 479 CysCysProAlaGlyTrpThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
QY 1513 TCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
Db 499 PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY 1573 TGTGGGGAAGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
Db 517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
Db 537 TrpAlaCysCysProTrpLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY 1693 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArgTrp 576
QY 1753 GACGCCCCCTTGTAGGAGCCAGCTTGTAGAGCAGCTGCTG 1791
Db 577 AspMetPheLeuArgAspProValProArgProLeuLeu 589
RESULT 14
PCI-US91-02321-6
; Sequence 6, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
```

```

; REGISTRATION NUMBER: 22,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-6

Alignment Scores:
Pred No.: 1 55e-166 Length: 589
Score: 2633.00 Matches: 441
Percent Similarity: 83.98% Conservative: 57
Best Local Similarity: 74.37% Mismatches: 91
Query Match: 65.63% Indels: 4
DB: 5 Gaps: 3

US-09-824-647-16 (1-2095) x PCT-US91-02321-6 (1-589)

QY 13 ATGTGACCTGTGAGCTGGTGGCTTAACAGCAGGCGCTGTGCTGGAAGCGGTGC 72
DB 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGGTCAGTCTCCCTGTGGCTGCTGCTGGACCCCGAGGAGCCAGCTACAGC 132
DB 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaSerTyrSer 40
QY 133 TGCTGCGCTCCCTTTGGHCAAATGCCACAACTGAGCAGGCACTCTGGGTGCCCCC 192
DB 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60
QY 193 TGCAGGTGATGCCACTGCTGCGCGCACTTCTGTCATCTTACCGTCTCAGGACT 252
DB 61 CysGlnThrHisGlyHisCysProAlaGlyTyrSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCAGTGTGCTCCCTTCCAGAGCGCGTGGCATGGGGATGCCATCACTCTGCTCCCA 312
DB 81 SerSerCysCysProPheSerHisGlyValSerCysGlyAspGlyTyrHisCysCysPro 100
QY 313 CGGGCTTCCACTGACGTGACGCGGCGATCTGCTTCCAAAGATCAGATCAACTCC 372
DB 101 GlnGlyPheHisCysSerAlaAspGlyTyrSerCysPheGlnMetSer---AspAsnPro 119
QY 373 GTGGTGCCATCCAGTCCCTGTAGTCACTTCGAATGCCCGGACTTCTCCAGTCTGT 432
DB 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY 433 GTTATGTCGATGCTCTGGGGTGTGCTGCCCATGCCAGTCCAGGCTTCTGCTGTGAGAC 492
DB 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGluAsp 159
QY 493 AGGTGTGACTGCTCTCCGACGCTGCTCTGCGACCTGGTTTACACCCCGCTGATCACA 552
DB 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCCAGGGCACCCACCCCTGGCAAAGAGTCCCTGCCAGAGGACTTAACAGGGCGAGTG 612
DB 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnArgAlaVal 199
QY 613 GCCTTGTCCAGCTGGTGCATGTCCGAGCGCAGCTCCCGTCCCTGATGGTTCTACC 672
DB 200 SerLeuProPheSerValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY 673 TGCTGTGAGTCCCGAGTGGGAATGATGGCTGTGCCCAATGCCCAACGCCCTGTCTGC 732
DB 220 CysCysGluLeuProThrGlyLysTyrGlyCysCysProMetProAsnAlaIleCysCys 239
QY 733 TCCGATCACCTGCATGCTGCCCAAGACACTGTGTGACCTGATCCAGAGTAAGTGC 792

```

RESULT 15

US-08-991-862-2

; Sequence 2, Application US/08991862

```

Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY 793 CTCTCCAGGAGAACGCTACACGACCTCTCTACTAGCTGCTGCGCACACAGTGGGC 852
Db 260 LeuSerLys---AsnTyrThrThrAspLeuLeuThrLysLeuProGlyTyrProValLys 278
QY 853 CATGTGAAATGTGACATGGAGGTGAGTGGCCAGATGGCTATACCTGCTCCGCTACAG 912
Db 279 GluValLysCysAspMetGluValSerCysProGluGlyTyrThrCysCysArgLeuAsn 298
QY 913 TCGGGGCGCTGGGCTGCTGCTCTTTTACCAGGCTGTGCTGTGAGGACCATACAC 972
Db 299 ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysGluAspHisIleHis 318
QY 973 TGCTGTCCGCGGGGTTTACGTGCACACGACAGAGGTACTCTTGAAACAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu 338
QY 1033 CAGGTGCCCTGGATGGAGAGGCCCGACCTCACCTCAGCTGCCAGACCCACAGCCTTG 1092
Db 339 GlnValProTrpMetLysLysValIleAlaProArgArgLeuProAspProGlnIleLeu 358
QY 1093 AAGAGAGATGCTCCCTGTGATAATGTGACAGCTGTCTCTCCGATACCTGTGCCAA 1152
Db 359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY 1153 CTCAGCTCTGGGAGTGGGCTGCTGTCCTCAATCCAGAGGCTGTCTGCTCGACACAC 1212
Db 379 LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
QY 1213 CAGCACTCTGCCCGCCAGCATACAGTGTGTAGTGGGGGAGTGTACAGGAGGAGC 1272
Db 399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
QY 1273 GAGATCGTGGCTGGAGTGGCTGCTCCCGCGCGGTCTCTTATCCACCCCGACAG 1332
Db 419 ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
QY 1333 GACATCGCTGTGACACACACACAGCTGCCGGTGGGCGGAACTGCTGCCGAGCCAG 1392
Db 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY 1393 GGTGGAGCTGGGCTGCTGCGAGTGGCTGCTGCTGCTGCTGCGAGGATCGCCAGCAC 1452
Db 459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
QY 1453 TGCTCCCGCTGGCTACACCTGACACGTGAAGCTCGATCTCGACAGAGAGTGTCTC 1512
Db 479 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
QY 1513 TCTGCCAGCTGCCACCTTCTGCGCGCTAGCCCTCACGTGGGTGTGAAGACGTGGAG 1572
Db 499 PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY 1573 TGTGGGAGGACACTTCTGCCATGATTAACAGACCTGCTGCCGAGACACCGCAGGCGC 1632
Db 517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY 1633 TGGGCTGTGTCCTTACGCCAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
Db 537 TrpAlaCysCysProTrpLysLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY 1693 GCTGCTTCCGCTGCCACGACAGGAGTACCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCT 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLeuIleProArgTrp 576
QY 1753 GAGCGCCCTTTCAGGAGCCCGCTTGTGACACAGCTGTGCTG 1791
Db 577 AspMetPheLeuArgAspProValProArgProLeuLeu 589

```

```

; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991.862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863.862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-991-862-2

Alignment Scores:
Pred. No.:          9,27e-166      Length:          589
Score:             2681.00          Matches:         439
Percent Similarity: 83.81%          Conservative:    58
Best Local Similarity: 74.03%       Mismatches:      92
Query Match:       65.34%           Indels:          4
DB:                4               Gaps:            3

US-09-824-647-16 (1-2095) x US-08-991-862-2 (1-589)

QY 13 ATGTGGACCTGTGAGCTGGTGGCTTAACAGCAGCGGTGGTGGTGAACCGCGTGC 72
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20

QY 73 CCAGATGGTCACTTCTGCCCTGGCTGGCTGGCTGGACCCCGGAGGAGCCAGCTACGC 132
Db 73 CCAGATGGTCACTTCTGCCCTGGCTGGCTGGCTGGACCCCGGAGGAGCCAGCTACGC 132

QY 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTySer 40
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTySer 40

QY 133 TGCTGCCCTGCCCTTCCGACAAATGGCCACAACTGACGAGCCATCTGGGTGCCCC 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60

QY 193 TGCAGAGTGTAGCCACTGTCTGCCCGCCACTCTTCATCTTACCGTCTCAGGACT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTyrSerCysLeuLeuThrValSerGlyThr 80

QY 253 TCCAGTTGCTGCCCTTCCAGAGCCCGTGCATGCGGGATGGCCATCACTGTGCCCA 312
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyrHisCysCysPro 100

QY 313 CGGGCTTCCAGTGCAGTGCAGACGGGGATCCCTGCTTCCAAAGATCAGTAACAATCC 372
Db 101 GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119

QY 373 GTGGGTGCCATCCAGTGCCTGATAGTCAGTTCCGAATGCCCGGACTTCTCCACGTGTGT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139

QY 433 GTTATGGTGCATGGTCTCTGGGGGTGCTGCCCGCCACTGCCCCAGGCTTCTGTGTGAAGAC 492
Db 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159

QY 493 AGGTTGCATGCTGTCACAGCGTGCCTTCTGCGACCTGGTTACACCCCGCTGTGATCACA 552
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179

QY 553 CCCAGGGGACCCACCCCTTGGCAAAGAGTCTCCTGCCAGAGGACTTAACAGGCGAGTG 612
Db 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnSerAlaVal 199

QY 613 GCCTTGTCCAGTCCGTGATGTCTCCGACGACCGTCCCGGTGCGCTGATGGTCTTACC 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspSerThr 219

QY 673 TGCTGTGAGTGCCTCCAGTGGGAAGTATGCTGCTGCCCAATGCCCAACGCCACCTGTGTC 732

```

```

220 CysCysGluLeuProThrGlyLysTyGlyCysCysProMetProAsnAlaIleCysCys 239
733 TCCGATACCTGTCACCTGCTGCCCAAGACACTGTGTGACCTGATCCAGAGTAAGTGC 792
240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
793 CTCTCCAAAGAGAACGCTACCAAGGACTCTCTCAAGCTGCTGCTGCGGCACACAGTGGC 852
260 LeuSerLys---AsnTyThrThrAspLeuLeuThrLysLeuProGlyTyrProValLys 278
853 GATGTGAATGTGACATGAGGTGAGGTGCCAGAGTGTATACCTGCTGCTGCTCTACAG 912
279 GluValLysCysAspMetGluValSerCysProGluGlyTyrThrCysCysArgLeuAsn 298
913 TCGGGGCTGCTGGCTGCTGCTGCTTACCCAGGCTGTGCTGCTGAGGACCATACAC 972
299 ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysAspAspHisIleHis 318
973 TGCTGTCCCGGGGTTTACGTGTGACACGAGAGGGTACTCTGTGAACGGGCCCCAC 1032
319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu 338
1033 CAGGTGCCCTGGATGAGAGAGCCCGGAGTCACTCAGCTGCTGAGCCAGCCACAGCCTTG 1092
339 GlnValGlyTrpMetLysLysValIleAlaProLeuArgLeuProAspProGlnIleLeu 358
1093 RAGAGAGATGCTCCCTGTGATAATGTGACAGCTGTCTCCTCCTGCTGATACCTGCTGCCAA 1152
359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
1153 CTCACGCTCTGGGAGTGGGCTGTCTCCAAATCCAGAGGCTGTGCTGCTGCTGCTGCGAC 1212
379 LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
1213 CAGCACTGCTGCCCGAGCGATACACAGCTGTAGCTGAGGGGAGTGTGACGAGAGAGC 1272
399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
1273 GAGATCGTGGTGGAGTGTGCTGCTGCCCGCGCTTCTTATCCACCCCGCAGA 1332
419 ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
1333 GATATCGCTGTGACAGCAGCAGCAGCTGCCCGTGGGCGGAGCCTGCTGCCCGAGCCAG 1392
439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
1393 GGTGGAGTGGGCTGCTGCTGCTGCCAGTGGCCATGTGTGTGTGCTGCGAGATGCCAGCAC 1452
459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
1453 TGTGCTCCCGCTGGCTACACCTGCAACGTGAGGCTCGATCCTGCGAGAGAGAGTGTGTC 1512
479 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
1513 TCTGCCACCTGCCACCTTCTGCTGCCCGCTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
499 PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
1573 TGTGGGAAGAGACATCTTGCATATACAGAGCTGCTGCTGCCAGACACCAACGACAGGCG 1632
517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
537 TrpAlaCysCysProLysLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
1693 GCTGGTTCCTGCTGCCAGCAGCGGGTACCAAGTGTTCGCGAGGAGGAGCCCGGCTGCT 1752
557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArgTrp 576
1753 GAGCCCTTGGAGGAGCCCGCTTGTGACAGCTGCTG 1791
577 AspMetPheLeuArgAspProValProArgProLeuLeu 589

```

Search completed: March 26, 2004, 12:50:16
Job time : 66 secs